

ENVIRONMENTAL WATER ACCOUNT
DRAFT ENVIRONMENTAL IMPACT STATEMENT/
ENVIRONMENTAL IMPACT REPORT

APPENDIX I

Endangered Species Act Section 7 Compliance



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Klamath Falls Fish & Wildlife Office
6610 Washburn Way
Klamath Falls, OR 97603
(541) 885-8481 FAX: (541) 885-7837

In Reply Refer To: 1-10-00-SP/TA-137

June 5, 2002

Ms. Patricia C. Reed, Environmental Scientist
CDM
2151 River Plaza Drive, Suite 200
Sacramento, California 95833

Subject: Modoc County Species Lists for the Environmental Water Account Program

Dear Ms. Reed:

This responds to your May 13, 2002, Modoc County species list request for the Environmental Water Account Program (Project). We received your correspondence on May 17, 2002. It is our understanding the Project is to "provide water at critical times to meet environmental needs without water supply impacts on cities, farms, and businesses" throughout California. Attachment A provides an updated species list of federally endangered, threatened, proposed, and candidate species for Klamath County to assist in your evaluation. This list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act of 1973, as amended (Act). These lists are valid for 90 days or until we send a letter updating the original with any changes that had occurred. These lists are not proof of presence or absence of listed species within the area. The California Department of Fish and Game should be contacted regarding State listed species and species of concern.

Thank you for contacting us early in the process and for your efforts to conserve, protect and/or recover listed, candidate, and sensitive species as well as other trust resources. Please keep us informed of your progress or any assistance we may provide. If you have questions regarding this letter, please contact Leonard LeCaptain at (541) 885-8481.

Sincerely,

Steve A. Lewis
Project Leader

Attachment

cc:	CDFG	VFWO
	SFWO	CFWO
	AFWO	CNO

JUN 10 2002

Attachment A

SPECIES LIST

Where a Federal agency is involved, the agency or designated representative shall use the attached list, along with relevant biological studies, literature reviews, views of species experts, and site inspections, to determine if the project may affect (negatively or positively) listed or proposed species or proposed or designated critical habitat. If the subject project may affect a listed species and the proposed action is funded, permitted, or implemented by a Federal agency, the Federal agency must prepare a biological assessment if the project is a construction project which may require an environmental impact statement ^{1/}. If a biological assessment is not required, the Federal agency still has the responsibility to review its proposed activities and determine whether the listed species may be affected. If, based on an analysis it is determined that the project will have "no effect" on listed or proposed species, then no additional correspondence with the Service is necessary under the Act's requirements. If the action agency requires a letter indicating Service review of the "no effect" determination, then please provide a summary of the project, relevant maps and species information, a copy of the species list provided by the Klamath Falls Fish and Wildlife Office (KFFWO), and justification for the effects determination to the KFFWO.

For non-Federal entities where there is no Federal nexus, any incidental take must be authorized through the "incidental take permit" process established under section 10(a)(1)(B) of the Endangered Species Act, as amended (16 U.S.C. 1531 et seq)(Act). Section 10(a)(2)(A) of the Act requires an applicant for an incidental take permit to submit a Habitat Conservation Plan (HCP) that specifies, among other things, the impacts that are likely to result from the taking and the measures the permit applicant will undertake to minimize and mitigate such impacts. The HCP process consists of three phases: (1) the HCP development phase where the applicant's project or activity is integrated with species protection needs through development of the HCP; (2) the formal permit processing phase which involves review of the application package by the appropriate Regional Office or, in some cases, the National Marine Fishery Service Washington D.C. office; and (3) the post-issuance phase which is the period during which the permittee and other responsible entities implement the HCP and its monitoring and funding programs.

The species list also includes Federal candidate species of concern that may be present within the following counties. While not protected under the Endangered Species Act (Act), the Service encourages Federal agencies and private land owners to utilize their authorities to conserve and protect candidate species, so activities which they authorize do not contribute to the need to list these species as either threatened or endangered under the Act. We also encourage Federal agencies and private land owners to provide the Service with information on status surveys, monitoring and other studies related to candidate species, and to address these species during consultation. During the assessment or review process, the Federal agency may engage in planning efforts, but may not make any irreversible commitment of resources. Such a commitment could constitute a violation of section 7(d) of the Act. If a listed species may be affected, the Federal agency should request, in writing through our office, formal consultation pursuant to section 7 of the Act. Informal consultation may be used to exchange information and resolve conflicts with respect to listed species prior to a written request for formal consultation.

Federal agencies are required to confer with the Service, pursuant to section 7(a)(4) of the Act, when an agency action is likely to jeopardize the continued existence of any proposed species or result in the destruction or adverse modification of proposed critical habitat (50 CFR 402.10(a)). A request for formal conference must be in writing and should include the same information that would be provided for a request for formal consultation. Conferences can also include discussions between the Service and the Federal agency to identify and resolve potential conflicts between an action and proposed species or proposed critical habitat early in the decision-making process. The Service recommends ways to minimize or avoid adverse effects of the action. The conference process fulfills the need to inform Federal agencies of possible steps that an agency might take at an early stage to adjust its actions to avoid jeopardizing a proposed species.

The action agency and applicant should be aware that section 9 of the Act prohibits the "take" of any listed species. The definition of "take" includes to harass, harm, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct. "Harm" in the definition of 'take' in the Act means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavior patterns, including breeding, feeding, or sheltering (50 CFR 17.3). Anyone who engages in a take would be subject to prosecution under section 9 of the Act. Such taking may occur only under the authority of the Service's pursuant to section 7 (if a Federal agency is involved with this project) or through a section 10(a)(1)(B) permit, as mandated in the Act.

^{1/} "Construction Project" means any major Federal action which significantly affects the quality of the human environment designed primarily to result in the building or erection of man-made structures such as dams, buildings, roads, pipelines, channels and the like. This includes Federal actions such as permits, grants, licenses, or other forms of Federal authorizations or approval which may result in construction.

LISTED, PROPOSED AND CANDIDATE SPECIES THAT MAY OCCUR IN MODOC COUNTY

LISTED SPECIES

Birds

Bald eagle	<i>Haliaeetus leucocephalus</i>	T
Northern spotted owl	<i>Strix occidentalis caurina</i>	T, CH

Fish

Shortnose sucker	<i>Chasmistes brevirostris</i>	E, PCH
Lost River sucker	<i>Deltistes luxatus</i>	E, PCH
Modoc sucker	<i>Catostomus microps</i>	E

Plants

Slender Orcutt grass	<i>Orcuttia tenuis</i>	T
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Invertebrates

Shasta Crayfish	<i>Pacifastacus fortis</i>	E
(Projects affecting groundwater supplying springs in the Falls River area)		

PROPOSED SPECIES

Fish

Cowhead Lake Tui Chub	<i>Coccyzus americanus</i>	PE
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CANDIDATE SPECIES

Birds

Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	C
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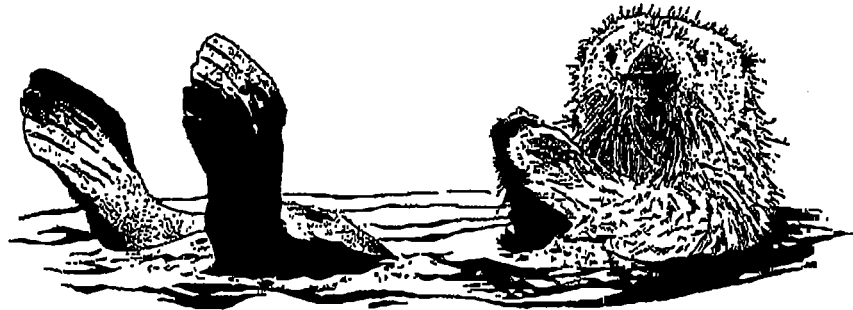
Amphibians and Reptiles

Oregon Spotted frog	<i>Rana pretiosa</i>	C
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(E) - Endangered (T) - Threatened (CH) - Critical Habitat
 (C) - Candidate (PE) - Proposed as endangered (PT) - Proposed as threatened
 (PCH) - Proposed critical habitat

(List compiled May 2002)

U.S. FISH AND WILDLIFE SERVICE
VENTURA FISH AND WILDLIFE OFFICE
2493 PORTOLA ROAD, SUITE B
VENTURA, CALIFORNIA 93003
PHONE: (805) 644-1766 FAX: (805) 644-3958



DATE: June 14, 2002

TO: CDM
Attention: Patricia C. Reed

Fax: (916) 567/9905

From: Bridget Fahey

PAGES INCLUDING COVER SHEET: 8

SUBJECT: Species List Request

The original letter will be mailed today.

Thank you



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ventura Fish and Wildlife Office
2493 Portola Road, Suite 13
Ventura, California 93003

In Reply Refer To: 2002-338

June 12, 2002

Patricia Reed
Environmental Scientist
Camp Dresser & McKee, Inc.
2151 River Plaza Drive, Suite 200
Sacramento, California 95833

Subject: Species List for the CALFED Bay-Delta Environmental Water Account Program,
Kern, Los Angeles, Monterey, San Benito, and San Bernardino counties,
California

Dear Ms. Reed:

This letter is in response to your request, dated May 13, 2002, and received in our office May 16, 2002, for information on federally listed threatened and endangered species that may occur within certain counties within our area of responsibility. According to your letter, this information will be used by Camp Dresser & McKee, Inc. in the preparation of an environmental impact statement and biological assessment for the CALFED Bay-Delta Environmental Water Account Program occurring in the following counties and throughout California: Kern, Los Angeles, Monterey, San Benito, and San Bernardino. Please note that the Ventura Fish and Wildlife Office is responsible for the area of Los Angeles County north and west of Interstate 10 where it meets the Pacific Ocean to its junction with Interstate 405, Interstate 405 to its junction with Interstate 5, and Interstate 5 to its junction with Highway 14. From this point to the Ventura Fish and Wildlife Office is also responsible for the area of Los Angeles County north of the Angeles National Forest. Desert portions of Kern and San Bernardino counties are also within the Ventura Fish and Wildlife Office's area of jurisdiction. The enclosed list of species fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act of 1973, as amended (Act).

Service responsibilities include administering the Act, including sections 7, 9, and 10. Section 9 of the Act prohibits the taking of any federally listed endangered or threatened species. Section 3(18) of the Act defines take to mean to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture or collect, or to attempt to engage in any such conduct. Service regulations (50 CFR 17.3) define harm to include significant habitat modification or degradation which actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering. Harassment is defined by the Service as an intentional or negligent action

Patricia Reed

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disrupt normal behavior patterns which include, but are not limited to, breeding, feeding, or sheltering. The Act provides for civil and criminal penalties for the unlawful taking of listed species. Exemptions to the prohibitions against take may be obtained through coordination with the Service through interagency consultation for projects with Federal involvement pursuant to section 7 or through the issuance of an incidental take permit under section 10(a)(1)(B) of the Act. If the subject project is to be funded, authorized, or carried out by a Federal agency and may affect a listed species, the Federal agency must consult with the Service, pursuant to section 7(a)(2) of the Act. If a proposed project does not involve a Federal agency but may result in the take of a listed animal species, the project proponent should apply for an incidental take permit, pursuant to section 10(a)(1)(B) of the Act. We can provide you with more detailed information regarding the regulatory process upon your request.

Candidate species are those species presently under review by the Service for consideration for Federal listing. Candidate species should be considered in the planning process because they may become listed or proposed for listing prior to project completion. Preparation of a biological assessment, as described in section 7(c) of the Act, is not required for candidate species. If early evaluation of your project indicates that it is likely to affect a candidate species, you may wish to request technical assistance from this office.

The take of proposed and candidate species is not prohibited by section 9 of the Act. However, we encourage you to consider their conservation in your planning process in the event they are listed prior to project completion. For information on other species of concern that may occur in the project area, the Service recommends that you review information in the California Department of Fish and Game's Natural Diversity Data Base and that you contact the California Department of Fish and Game at (916) 324-3812.

If you have any further questions, please contact Bridget Fahey of my staff at (805) 644-1766.

Sincerely,


for Diane K. Noda
Field Supervisor

Enclosure

**LISTED, PROPOSED, AND CANDIDATE SPECIES
THAT MAY OCCUR IN THE AREA OF THE
CALFED BAY-DELTA ENVIRONMENTAL WATER ACCOUNT PROGRAM**

KERN COUNTY, CALIFORNIA

Birds

Least Bell's vireo	<i>Vireo bellii pusillus</i>	E
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	E
California condor	<i>Gymnogyps californianus</i>	E, CH
Mountain plover	<i>Charadrius montanus</i>	PT

Reptiles

Desert tortoise	<i>Gopherus agassizii</i>	T, CH
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Plants

Hoover's eriogonum	<i>Eriogonum hooveri</i>	PD, T
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LOS ANGELES COUNTY, CALIFORNIA

Birds

Bald eagle	<i>Haliaeetus leucocephalus</i>	PD, T
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	E
Least Bell's vireo	<i>Vireo bellii pusillus</i>	E, CH
California condor	<i>Gymnogyps californianus</i>	E, CH
Mountain plover	<i>Charadrius montanus</i>	PT
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	T, CH
Brown pelican	<i>Pelecanus occidentalis</i>	E
California gnatcatcher	<i>Poliophtila californica</i>	T, CH
California least tern	<i>Sterna antillarum browni</i>	E

Reptiles

Desert tortoise	<i>Gopherus agassizii</i>	T, CH
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Amphibians

California red-legged frog	<i>Rana aurora draytonii</i>	T, CH
Arroyo toad	<i>Bufo californicus</i>	E, CH

Fish

Unarmored threespine stickleback	<i>Gasterosteus aculeatus williamsoni</i>	E, PCH
Tidewater goby	<i>Eucyclogobius newberryi</i>	E
Steelhead trout	<i>Oncorhynchus mykiss</i>	*

Invertebrates

Riverside fairy shrimp	<i>Streptocephalus woottoni</i>	E
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Plants

Slender-horned spineflower	<i>Dodecahema leptoceras</i>	E
Braunton's milk-vetch	<i>Astragalus brauntonii</i>	E
Lyon's pentachaeta	<i>Pentachaeta lyonii</i>	E
Santa Monica Mountains live-forever	<i>Dudleya cymosa</i> ssp. <i>ovatifolia</i>	T
Marcescent dudleya	<i>Dudleya cymosa</i> ssp. <i>marcescens</i>	T
California orcutt grass	<i>Orcuttia californica</i>	E
Conejo dudleya	<i>Dudleya abramsii</i> ssp. <i>parva</i>	T
Verity's dudleya	<i>Dudleya verityi</i>	T
Nevin's barberry	<i>Berberis nevinii</i>	E
Spreading navarretia	<i>Navarretia fossalis</i>	T
San Fernando Valley spineflower	<i>Chorizanthe parryi</i> var. <i>fernandina</i>	C

MONTEREY COUNTY, CALIFORNIAMammals

San Joaquin kit fox	<i>Vulpes macrotis nuttica</i>	E
Southern sea otter	<i>Enhydra lutris nereis</i>	T

Birds

Bald eagle	<i>Haliaeetus leucocephalus</i>	PD, T
Brown pelican	<i>Pelecanus occidentalis</i>	E
California clapper rail	<i>Rallus longirostris obsoletus</i>	E
California least tern	<i>Sterna antillarum browni</i>	E
Least Bell's vireo	<i>Vireo bellii pusillus</i>	E
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	T, CH
Marbled murrelet	<i>Brachyramphus marmoratus marmoratus</i>	T
California condor	<i>Gymnogyps californianus</i>	E
Mountain plover	<i>Charadrius montanus</i>	PT

Reptiles

Blunt-nosed leopard lizard	<i>Gambelia silus</i>	E
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Amphibians

California red-legged frog	<i>Rana aurora draytonii</i>	T, CH
Santa Cruz long-toed salamander	<i>Ambystoma macrodactylum croceum</i>	E
Arroyo toad	<i>Bufo microscaphus californicus</i>	E, CH
California tiger salamander	<i>Ambystoma californiense</i>	C

Fish

Tidewater goby	<i>Eucyclogobius newberryi</i>	E
Steelhead trout	<i>Oncorhynchus mykiss</i>	*

Invertebrates

Smith's blue butterfly	<i>Euphilotes enoptes smithi</i>	E
Conservancy fairy shrimp	<i>Branchinecta conservatio</i>	E
Longhorn fairy shrimp	<i>Branchinecta longiantenna</i>	E
Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	T

Plants

Monterey spineflower	<i>Chorizanthe pungens</i> var. <i>pungens</i>	T, PCH
Robust spineflower	<i>Chorizanthe robusta</i> var. <i>robusta</i>	E, PCH
Monzie's wallflower	<i>Erysimum menziesii</i> ssp. <i>menziesii</i>	E
Yadon's wallflower	<i>Erysimum menziesii</i> ssp. <i>yadonii</i>	E
Monterey gilia	<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	E
Contra Costa goldfields	<i>Lasthenia conjugens</i>	E
Beach layia	<i>Layia carnosu</i>	E
San Joaquin woollythreads	<i>Lembertia congdonii</i>	E
Tidestrom's lupine	<i>Lupinus tidestromii</i>	E
Coastal dunes milk-vetch	<i>Astragalus tener</i> var. <i>titi</i>	E
Gowen cypress	<i>Cupressus goveniana</i> ssp. <i>goveniana</i>	T
Yadon's piperia	<i>Piperia yadonii</i>	E
Hickman's potentilla	<i>Potentilla hickmanii</i>	E
Monterey clover	<i>Trifolium trichocalyx</i>	E
Purple amole	<i>Chlorogalum purpureum</i> var. <i>purpureum</i>	T, PCH
Santa Cruz tarplant	<i>Holocarpha macradenia</i>	T

SAN BENITO COUNTY, CALIFORNIAMammals

San Joaquin kit fox	<i>Vulpes macrotis mutica</i>	E
San Joaquin Valley woodrat	<i>Neotoma fuscipes riparia</i>	C
Giant kangaroo rat	<i>Dipodomys ingens</i>	E

Birds

Bald eagle	<i>Haliaeetus leucocephalus</i>	PD, T
Mountain plover	<i>Charadrius montanus</i>	PT
Least Bell's vireo	<i>Vireo bellii pusillus</i>	E
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	C

Reptiles

Blunt-nosed leopard lizard	<i>Gambelia silus</i>	E
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Amphibians

California red-legged frog
California tiger salamander

Rana aurora draytonii
Ambystoma californiense

T, CH
C

Fish

Steelhead

Oncorhynchus mykiss

*

Invertebrates

Conservancy fairy shrimp
Longhorn fairy shrimp
Vernal pool fairy shrimp
Vernal pool tadpole shrimp

Branchinecta conservatio
Branchinecta longiantenna
Branchinecta lynchi
Lepidurus packardii

E
E
T
E

Plants

San Benito evening-primrose
Hoover's eriostrom
San Joaquin woolly-threads

Camissonia benitensis
Eriostrom hooveri
Monolopia congdonii

T
PD, T
E

SAN BERNARDINO COUNTY, CALIFORNIABirds

**Yuma clapper rail
Least Bell's vireo
Southwestern willow flycatcher
Bald eagle
Mountain plover

Rallus longirostris yumanensis
Vireo bellii pusillus
Empidonax traillii eximius
Haliaeetus leucocephalus
Charadrius montanus

E
E
E
T
PT

Reptiles

Desert tortoise

Gopherus agassizii

T, CH

Amphibians

Arroyo toad

Bufo microscaphus californicus

E, CH

Fish

Mohave tui chub
**Bonytail chub
**Razorback sucker

Gila bicolor mohavensis
Gila elegans
Xyrauchen texanus

E
B, CH
E, CH

Plants

Cushenberry buckwheat
Cushenberry milkvetch
Parish's daisy
Lanc Mountain milkvetch
Cushenbury oxytheca

Eriogonum ovalifolium var. *vineum*
Astragalus albens
Erigeron parishii
Astragalus jaegerianus
Oxytheca parishii var. *goodmaniana*

E
E
T
E
E

Key:

E Endangered
T Threatened
CH Critical habitat
PE Taxa proposed for listing as endangered
PD Proposed for delisting
PCH Critical habitat which has been proposed
C Candidate species for which the Fish and Wildlife Service has on file sufficient information on the biological vulnerability and threats to support proposals to list as endangered or threatened.

* Species for which the National Marine Fisheries Service has responsibility. For more information, contact the Santa Rosa Field Office at (707) 575-6050 or go to <http://swr/ucsd.edu>. Or call the Southwest Regional Office in Long Beach at (562) 980-4000.

** These species occur in San Bernardino County along the Colorado River. Questions concerning these species should be referred to the U.S. Fish and Wildlife Service at 2321 W. Royal Palms Road, Suite 103, Phoenix, Arizona 85021-4951, (602) 242-0210.



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W2605
Sacramento, California 95825

IN REPLY REFER TO:

1-1-03-SP-2194

June 16, 2003

Patricia C. Reed
CDM
2151 River Plaza Drive, Suite 200
Sacramento, California 95833

Subject: Species List for Environmental Water Account (EWA) Program

Dear Ms. Reed:

We are writing in response to your June 9, 2003 request for information about endangered and threatened species. We assume that you have contacted the other California fish and wildlife offices concerning species in their jurisdictions.

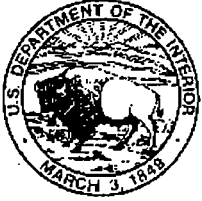
For your convenience, updated lists may now be downloaded from our website. The specific page is http://sacramento.fws.gov/es/spp_list.htm. The Code of Federal Regulations states that applicants may update their species lists formally or informally (50 CFR §402.12). It has been determined that our web page is an appropriate way to update informally.

Contact Cay Goude, Assistant Field Supervisor at (916) 414-6600, if you have any questions about the updated list or your responsibilities under the Endangered Species Act. For the fastest response to species list requests, address them to the attention of Species Lists at this address. You may fax requests to (916) 414-6712 or 414-6713.

Sincerely,

for Harry Mossman
Jan C. Knight, Chief
Endangered Species Division

Enclosures



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W2605
Sacramento, California 95825

IN REPLY REFER TO:

1-1-02-SP-2,091.00

May 30, 2002

Patricia C. Reed
CDM
2151 River Plaza Drive, Suite 200
Sacramento, California 95833

Subject: County Species Lists

Dear Ms. Reed:

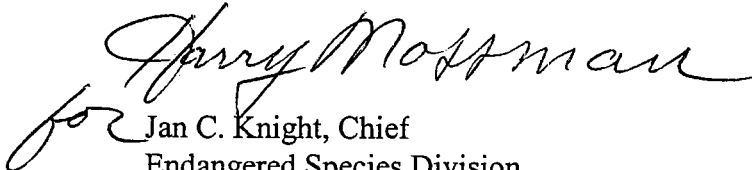
We are sending the enclosed list in response to your May 13, 2002 request for information about endangered and threatened species that may be present in or affected by projects in the counties requested in your letter. (See Enclosure A)

If you need a list to use for a specific project, please contact this office about getting a *quad* list. We can use your maps and/or other information to locate the proposed project within a geographical unit known as a *7.5 minute quadrangle* or "quad." These quads are smaller than counties. Therefore the species list for a quad is shorter than the list for the surrounding county.

Please read Important Information About Your Species List (Enclosure B). It explains how we made the list and describes your responsibilities under the Endangered Species Act. Contact Harry Mossman at (916) 414-6674, if you have any questions about the attached list or your responsibilities under the Endangered Species Act. Information concerning the life history, distribution, and habitat requirements for the listed species is available upon request.

For the fastest response to species list requests, address them to the attention of Species Lists at this address. You may fax requests to (916) 414-6712 or 414-6713.

Sincerely,


for Jan C. Knight, Chief
Endangered Species Division

Enclosures

ENCLOSURE A

Endangered and Threatened Species that May Occur in or be Affected by
Projects in the Area of the Following California Counties

Reference File No. 1-1-02-SP-2,091.00

May 30, 2002

ALAMEDA COUNTY

Listed Species

Mammals

San Joaquin kit fox, *Vulpes macrotis mutica* (E)
riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *
riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *
salt marsh harvest mouse, *Reithrodontomys raviventris* (E)

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
California clapper rail, *Rallus longirostris obsoletus* (E)
California least tern, *Sterna antillarum* (=albifrons) browni (E)
bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)
Critical habitat, Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
delta smelt, *Hypomesus transpacificus* (T) *
tidewater goby, *Eucyclogobius newberryi* (E)
winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

bay checkerspot butterfly, *Euphydryas editha bayensis* (T)
callippe silverspot butterfly, *Speyeria callippe callippe* (E)
longhorn fairy shrimp, *Branchinecta longiantenna* (E)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardi* (E)

Plants

California sea blite, *Suaeda californica* (E) *
Contra Costa goldfields, *Lasthenia conjugens* (E)
Presidio clarkia, *Clarkia franciscana* (E)
Santa Cruz tarplant, *Holocarpha macradenia* (T) *
large-flowered fiddleneck, *Amsinckia grandiflora* (E)
pallid manzanita (=Alameda or Oakland Hills manzanita), *Arctostaphylos pallida* (T)
palmate-bracted bird's-beak, *Cordylanthus palmatus* (E)
robust spineflower, *Chorizanthe robusta* var. *robusta* (E) *
showy Indian clover, *Trifolium amoenum* (E) *

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS
Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Alameda Island mole, *Scapanus latimanus parvus* (SC)
Berkeley kangaroo rat, *Dipodomys heermanni berkeleyensis* (SC) *
Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)
San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
salt marsh vagrant shrew, *Sorex vagrans halicoetes* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Alameda (South Bay) song sparrow, *Melospiza melodia pusillula* (SC)
Aleutian Canada goose, *Branta canadensis leucopareia* (D)
Allen's hummingbird, *Selasphorus sasin* (SC)
American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Snowy Egret, *Egretta thula* (MB)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black rail, *Laterallus jamaicensis coturniculus* (CA)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

- foothill yellow-legged frog, *Rana boylei* (SC)
- western spadefoot toad, *Spea hammondi* (SC)

Fish

- Pacific lamprey, *Lampetra tridentata* (SC)
- green sturgeon, *Acipenser medirostris* (SC)
- longfin smelt, *Spirinchus thaleichthys* (SC)
- river lamprey, *Lampetra ayresi* (SC)

Invertebrates

- Bridges' Coast Range shoulderband snail, *Helminthoglypta nickliniana bridgesi* (SC)
- California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
- Fairmont (=Lum's) microblind harvestman, *Microcina lumi* (SC)
- Opler's longhorn moth, *Adela oplerella* (SC)
- Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
- San Francisco lacewing, *Nothochrysa californica* (SC)
- curved-foot hygrotus diving beetle, *Hygrotus curvipes* (SC)

Plants

- Ben Lomond buckwheat (= naked buckwheat), *Eriogonum nudum var. decurrens* (SC)
- Big plant, *Blepharizonia plumosa ssp. plumosa* (SC)
- Choris's (=artist's) popcorn-flower, *Plagiobothrys chorisianus var chorisianus* (SLC) *
- Congdon's tarplant, *Hemizonia parryi ssp. congdonii* (SC)
- Diablo helianthella (=rock-rose), *Helianthella castanea* (SC)
- Hall's bush mallow, *Malacothamnus hallii* (=M. fasciculatus) (SLC)
- Hoover's button-celery, *Eryngium aristulatum var. hooveri* (SC)
- Hoover's cryptantha, *Cryptantha hooveri* (SLC)
- Kellogg's horkelia, *Horkelia cuneata ssp. sericea* (SC) *
- Lemmon's jewelflower, *Caulanthus coulteri var lemmonii* (SLC) *
- Livermore tarplant, *Deinandra bacigalupii* (SC)
- Loma Prieta hoita, *Hoita strobilina* (SC) *
- Mason's lilaeopsis, *Lilaeopsis masonii* (SC)
- Mt. Hamilton coreopsis, *Coreopsis hamiltonii* (SC)
- Mt. Hamilton thistle, *Cirsium fontinale var. campylon* (SC)
- Napa western flax, *Hesperolinon serpentinum* (SC)
- Pacific cordgrass (=California cordgrass), *Sparina foliosa* (SLC)
- San Francisco Bay spineflower, *Chorizanthe cuspidata var. cuspidata* (SC) *
- San Francisco popcornflower, *Plagiobothrys diffusus* (CA)
- San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)

Sharsmith's onion, *Allium sharsmithae* (SC)
 South Bay clarkia (=Santa Clara red ribbons), *Clarkia concinna* ssp. *automixa* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 adobe sanicle, *Sanicula maritima* (SC) *
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)
 brittlescale, *Atriplex depressa* (SC)
 caper-fruited tropidocarpum, *Tropidocarpum capparideum* (SC) **
 chaparral harebell (=bellflower), *Campanula exigua* (SLC)
 delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)
 diamond-petaled California poppy, *Eschscholzia rhombipetala* (SC)
 fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)
 hairless allocarya (=popcornflower), *Plagiobothrys glaber* (SC) **
 heartscale, *Atriplex cordulata* (SC)
 hispid bird's-beak, *Cordylanthus mollis* ssp. *hispidus* (SC)
 interior California (Hospital Canyon) larkspur, *Delphinium californicum* ssp. *interius* (SC)
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 little mouseltail, *Myosurus minimus* ssp. *apus* (SC)
 most beautiful (uncommon) jewelflower, *Streptanthus albidus* ssp. *peramoenus* (SC)
 northcoast (=Point Reyes) bird's-beak, *Cordylanthus maritimus* ssp. *palustris* (SC) *
 prostrate navarretia (=prostrate pincushionplant), *Navarretia prostrata* (SC) *
 recurved larkspur, *Delphinium recurvatum* (SC)
 robust monardella (=robust coyote mint), *Monardella villosa* ssp. *globosa* (SLC)
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua* ssp. *ambigua* (SLC)
 serpentine bedstraw, *Galium andrewsii* ssp. *gatense* (SLC)
 stinkbells, *Fritillaria agrestis* (SLC)
 talus fritillary, *Fritillaria falcata* (SC)
 water sack (=saline) clover, *Trifolium depauperatum* var. *hydrophilum* (SC)
 western leatherwood, *Dirca occidentalis* (SLC)

ALPINE COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Fish

Lahontan cutthroat trout, *Oncorhynchus* (=Salmo) *clarki henshawi* (T)

Paiute cutthroat trout, *Oncorhynchus* (=Salmo) *clarki seleniris* (T)

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T)

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

pygmy rabbit, *Brachylagus idahoensis* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Brewer's sparrow, *Spizella breweri* (SC)

California spotted owl, *Strix occidentalis occidentalis* (SC)

Harlequin duck, *Histrionicus histrionicus* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Vaux's swift, *Chaetura vauxi* (SC)

bank swallow, *Riparia riparia* (CA)

black swift, *Cypseloides niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

hermit warbler, *Dendroica occidentalis* (SC)

loggerhead shrike, *Lanius ludovicianus* (SC)

northern goshawk, *Accipiter gentilis* (SC)

olive-sided flycatcher, *Contopus cooperi* (SC)

rufous hummingbird, *Selasphorus rufus* (SC)

sage grouse, *Centrocercus urophasianus* (SC)
short-eared owl, *Asio flammeus* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)

Plants

common moonwort, *Botrychium lunaria* (SC)

AMADOR COUNTY

Listed Species

Mammals

riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

lone buckwheat, *Eriogonum apricum* var. *apricum* (E)
lone manzanita, *Arctostaphylos myrtifolia* (T)
Irish Hill buckwheat, *Eriogonum apricum* var. *prostratum* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California spotted owl, *Strix occidentalis occidentalis* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Plants

Amador (Bisbee Peak) rush-rose, *Helianthemum suffrutescens* (SLC)
Parry's horkelia, *Horkelia parryi* (SLC)
Pleasant Valley mariposa lily, *Calochortus clavatus* var. *avius* (SC)
Red Hills soaproot, *Chlorogalum grandiflorum* (SC)
Stebbins's lomatium, *Lomatium stebbinsii* (SC)
Tuolumne coyote-thistle (=button-celery), *Eryngium pinnatisectum* (SC)
common moonwort, *Botrychium lunaria* (SC)
pincushion navarretia, *Naverretia myersii* spp. *myersii* (SC)

BUTTE COUNTY**Listed Species****Birds**

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *
winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)
valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Butte County (Shippee) meadowfoam, *Limnanthes floccosa* ssp. *californica* (E)
Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E)
Hoover's spurge, *Chamaesyce hooveri* (T)

hairy Orcutt grass, *Orcuttia pilosa* (E)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Marysville Heermann's kangaroo rat, *Dipodomys californicus eximius* (SC) -

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

California spotted owl, *Strix occidentalis occidentalis* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)

Swainson's hawk, *Buteo Swainsoni* (CA)

Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Cascades frog, *Rana cascadae* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Sacramento Valley tiger beetle, *Cicindela hirticollis abrupta* (SC)
Sacramento anthicid beetle, *Anthicus sacramento* (SC)

Plants

Ahart's (dwarf) rush, *Juncus leiospermus* var. *ahartii* (SC)
Ahart's whitlow-wort (=Ahart's paronychia), *Paronychia ahartii* (SC)
Brandegee's clarkia, *Clarkia biloba* ssp. *brandegeae* (SLC)
Butte County calycadenia (=Butte County western rosinweed), *Calycadenia oppositifolia* (SLC)
Butte County catchfly (=long-stiped campion), *Silene occidentalis* ssp. *longistipitata* (SC)
Butte County golden (=Jim's) clover, *Trifolium jokerstii* (SLC)
Butte County morning-glory, *Calystegia atriplicifolia* ssp. *buttensis* (SC)
Butte County sidalcea (=checkerbloom), *Sidalcea robusta* (SC)
Butte fritillary, *Fritillaria eastwoodiae* (SC)
California beaked-rush, *Rhynchospora californica* (SC)
Cantelow's lewisia, *Lewisia cantelowii* (SC)
Enterprise clarkia, *Clarkia mosquinii* ssp. *xerophila* (SC)
Feather River stonecrop, *Sedum albomarginatum* (SC)
Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC)
Hall's rupertia (=Hall's California tea), *Rupertia hallii* (SLC)
Henderson's bent grass, *Agrostis hendersonii* (SC)
Jepson's onion, *Allium jepsonii* (SC)
Mosquin's clarkia, *Clarkia mosquinii* ssp. *mosquinii* (SC)
Quincy lupine, *Lupinus dalesiae* (SC) *
Red Bluff (dwarf) rush, *Juncus leiospermus* var. *leiospermus* (SC)
adobe lily, *Fritillaria pluriflora* (SC)
big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)
brittlescale, *Atriplex depressa* (SC)
closed-lip (closed-throated) beardtongue, *Penstemon personatus* (SC)
clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
heartscale, *Atriplex cordulata* (SC)
lesser saltscale, *Atriplex minuscule* (SC)
little mouseltail, *Myosurus minimus* ssp. *apus* (SC)
pink creamsacs, *Castilleja rubicundula* ssp. *rubicundula* (SLC)
scalloped moonwort, *Botrychium crenulatum* (SC)
subtle orache, *Atriplex subtilis* (SLC)
upswept moonwort, *Botrychium ascendens* (SC)
valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)
veiny monardella, *Monardella douglasii* ssp. *venosa* (SC)
white-stemmed (=whitestem) clarkia, *Clarkia gracilis* ssp. *albicaulis* (SLC)

CALAVERAS COUNTY**Listed Species**

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFSCritical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFSSacramento splittail, *Pogonichthys macrolepidotus* (T)delta smelt, *Hypomesus transpacificus* (T) *winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)vernal pool fairy shrimp, *Branchinecta lynchi* (T)vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Chinese Camp brodiaea, *Brodiaea pallida* (T)lone manzanita, *Arctostaphylos myrtifolia* (T)**Proposed Species**

Birds

mountain plover, *Charadrius montanus* (PT)**Candidate Species**

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFSCritical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) ***Species of Concern**

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)
Pacific fisher, *Martes pennanti pacifica* (SC)
Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Harlequin duck, *Histrionicus histrionicus* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)

oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)
Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Button's Sierra sideband snail, *Monadenia mormonum buttoni* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
molestan blister beetle, *Lytta molesta* (SC)

Plants

Ahart's (dwarf) rush, *Juncus leiospermus* var. *ahartii* (SC)
Amador (Bisbee Peak) rush-rose, *Helianthemum suffrutescens* (SLC)
Ewan's larkspur, *Delphinium hansenii* ssp. *ewanianum* (SC)
Henderson's bent grass, *Agrostis hendersonii* (SC)
Hoover's rosinweed (=caycadenia), *Calycadenia hooveri* (SLC)
Parry's horkelia, *Horkelia parryi* (SLC)
Stebbins's lomatium, *Lomatium stebbinsii* (SC)
Tuolumne coyote-thistle (=button-celery), *Eryngium pinnatisectum* (SC)

Whipple's monkeyflower, *Mimulus whipplei* (SC) **
common moonwort, *Botrychium lunaria* (SC)
delta coyote-thistle (=button-celery), *Eryngium racemosum* (CA)
pansy (=yellowlip pansy) monkeyflower, *Mimulus pulchellus* (SLC)
three-bracted onion, *Allium tribracteatum* (SC)

COLUSA COUNTY

Listed Species

Birds

Critical habitat, northern spotted owl, *Strix occidentalis caurina* (T)
bald eagle, *Haliaeetus leucocephalus* (T)
northern spotted owl, *Strix occidentalis caurina* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *
winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)
valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Colusa grass, *Neostapfia colusana* (T) *
palmate-bracted bird's-beak, *Cordylanthus palmatus* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Marysville Heermann's kangaroo rat, *Dipodomys californicus eximius* (SC)

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)

Swainson's hawk, *Buteo Swainsoni* (CA)

bank swallow, *Riparia riparia* (CA)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

greater sandhill crane, *Grus canadensis tabida* (CA)

least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Sacramento anthicid beetle, *Anthicus sacramento* (SC)
Wilbur Springs minute moss beetle, *Ochthebius reticulatus* (SC)
Wilbur Springs shore fly, *Paracoenia calida* (SC)
brownish dubiraphian riffle beetle, *Dubiraphia brunnescens* (SC)

Plants

Baker's narvarretia, *Navarretia leucocephala* ssp. *bakeri* (SC)
Bolander's horkelia, *Horkelia bolanderi* (SC) *
Brandege's woolly-star (=eriastrum), *Eriastrum brandegeae* (SC)
Colusa layia (=Colusa tidytips), *Layia septentrionalis* (SLC)
Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC) *
Hall's madia (=Hall's harmonia), *Madia hallii* (=Harmonia hallii) (SC)

Indian Valley brodiaea, *Brodiaea coronaria* ssp. *rosea* (CA)
 Jepson's milk-vetch, *Astragalus rattanii* var. *jepsonianus* (SLC)
 Milo Baker's lupine, *Lupinus milo-bakeri* (CA)
 Red Mountain catchfly (=campion), *Silene campanulata* ssp. *campanulata* (CA)
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
 Snow Mountain buckwheat, *Eriogonum nervulosum* (SC)
 Snow Mountain willowherb, *Epilobium nivium* (SC)
 Stony Creek spurge, *Chamaesyce ocellata* ssp. *rattanii* (SLC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 adobe lily, *Fritillaria pluriflora* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)
 brittlescale, *Atriplex depressa* (SC)
 diamond-petaled California poppy, *Eschscholzia rhombipetala* (SC) *
 drymaria dwarf-flax (=western flax), *Hesperolinon drymarioides* (SC)
 dwarf soaproot (=wavyleaf soap plant), *Chlorogalum pomeridianum* var. *minus* (SLC)
 little mousetail, *Myosurus minimus* ssp. *apus* (SC)
 pink creamsacs, *Castilleja rubicundula* ssp. *rubicundula* (SLC)
 recurved larkspur, *Delphinium recurvatum* (SC) *
 red-flowered lotus, *Lotus rubriflorus* (SC)
 scalloped moonwort, *Botrychium crenulatum* (SC)
 water sack (=saline) clover, *Trifolium depauperatum* var. *hydrophilum* (SC)

CONTRA COSTA COUNTY

Listed Species

Mammals

San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *
 riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *
 salt marsh harvest mouse, *Reithrodontomys raviventris* (E)

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
 California clapper rail, *Rallus longirostris obsoletus* (E)
 California least tern, *Sterna antillarum* (=albifrons) *browni* (E)
 bald eagle, *Haliaeetus leucocephalus* (T)
 western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)
 Critical habitat, Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)
 giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, delta smelt, *Hypomesus transpacificus* (T)
 Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
 delta smelt, *Hypomesus transpacificus* (T)
 tidewater goby, *Eucyclogobius newberryi* (E)
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)
 Lange's metalmark butterfly, *Apodemia mormo langei* (E)
 callippe silverspot butterfly, *Speyeria callippe callippe* (E)
 longhorn fairy shrimp, *Branchinecta longiantenna* (E)
 valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
 vernal pool fairy shrimp, *Branchinecta lynchi* (T)
 vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Antioch Dunes evening-primrose, *Oenothera deltoides ssp. howellii* (E)
 Contra Costa goldfields, *Lasthenia conjugens* (E)
 Contra Costa wallflower, *Erysimum capitatum ssp. angustatum* (E)
 Critical Habitat, Contra Costa wallflower, *Erysimum capitatum ssp. angustatum* (E)
 Critical habitat, Antioch Dunes evening-primrose, *Oenothera deltoides ssp. howellii* (E)
 Critical habitat, Santa Cruz tarplant, *Holocarpha macradenia* (T)
 Santa Cruz tarplant, *Holocarpha macradenia* (T) *
 large-flowered fiddleneck, *Amsinckia grandiflora* (E)
 pallid manzanita (=Alameda or Oakland Hills manzanita), *Arctostaphylos pallida* (T)

soft bird's-beak, *Cordylanthus mollis ssp. mollis* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Berkeley kangaroo rat, *Dipodomys heermanni berkeleyensis* (SC) *

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Suisun ornate shrew, *Sorex ornatus sinuosus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

salt marsh vagrant shrew, *Sorex vagrans halicoetes* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Alameda (South Bay) song sparrow, *Melospiza melodia pusillula* (SC)

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

Allen's hummingbird, *Selasphorus sasin* (SC)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Costa's hummingbird, *Calypte costae* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

San Pablo song sparrow, *Melospiza melodia samuelis* (SC)

Snowy Egret, *Egretta thula* (MB)
Suisun song sparrow, *Melospiza melodia maxillaris* (SC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black rail, *Laterallus jamaicensis coturniculus* (CA)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
Antioch andrenid bee, *Perdita scitula antiochensis* (SC)
Antioch cophuran robberfly, *Cophura hurdi* (SC)
Antioch efferian robberfly, *Efferia antiochi* (SC)
Antioch mutillid wasp, *Myrmosula pacifica* (SC)
Antioch sphecid wasp, *Philanthus nasilis* (SC)
Bridges' Coast Range shoulderband snail, *Helminthoglypta nickliniana bridgesi* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Ciervo aegialian scarab beetle, *Aegialia concinna* (SC)
Hurd's metapogon robberfly, *Metapogon hurdi* (SC)
Marin elfin butterfly, *Incisalia mossii marinensis* (SC)
Middlekauf's shieldback katydid, *Idiostatus middlekaufi* (SC)
Midvalley fairy shrimp, *Branchinecta mesovallensis* (SC)
Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
Sacramento anthicid beetle, *Anthicus sacramento* (SC)
San Francisco lacewing, *Nothochrysa californica* (SC)
San Joaquin dune beetle, *Coelus gracilis* (SC)
curved-foot hygrotus diving beetle, *Hygrotus curvipes* (SC)
molestan blister beetle, *Lytta molesta* (SC)
yellow-banded andrenid bee, *Perdita hirticeps luteocincta* (SC)

Plants

Ben Lomond buckwheat (= naked buckwheat), *Eriogonum nudum var. decurrens* (SC)
Big plant, *Blepharizonia plumosa ssp. plumosa* (SC)
Brewer's dwarf-flax (=western flax), *Hesperolinon breweri* (SC)
California croton, *Croton californicus* (SLC)
California triquetrella moss, *Triquetrella californica* (SLC)
Carquinez goldenbush, *Isocoma arguta* (SC)
Congdon's tarplant, *Hemizonia parryi ssp. congdonii* (SC)
Diablo helianthella (=rock-rose), *Helianthella castanea* (SC)
Franciscan thistle, *Cirsium andrewsii* (SC)
Gairdner's yampah, *Perideridia gairdneri ssp. gairdneri* (SC)
Hall's bush mallow, *Malacothamnus hallii* (=M. fasciculatus) (SLC)
Hoover's cryptantha, *Cryptantha hooveri* (SLC)
Livermore tarplant, *Deinandra bacigalupii* (SC)
Loma Prieta hoita, *Hoita strobilina* (SC) *
Mason's lilaeopsis, *Lilaeopsis masonii* (SC)

Mt. Diablo bird's-beak, *Cordylanthus nidularius* (SC)
 Mt. Diablo jewelflower, *Streptanthus hispidus* (SC)
 Mt. Diablo phacelia, *Phacelia phacelioides* (SC)
 Northern California black walnut, *Juglans californica* var. *hindsii* (SC)
 Oregon meconella (=white fairpoppy), *Meconella oregana* (SC)
 Pacific cordgrass (=California cordgrass), *Sparina foliosa* (SLC)
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
 Suisun Marsh aster, *Aster lentus* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC) *
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 brittlescale, *Atriplex depressa* (SC)
 caper-fruited tropidocarpum, *Tropidocarpum capparideum* (SC) **
 chaparral harebell (=bellflower), *Campanula exigua* (SLC)
 coast rock-cress, *Arabis blepharophylla* (SLC)
 delta coyote-thistle (=button-celery), *Eryngium racemosum* (CA)
 delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)
 diamond-petaled California poppy, *Eschscholzia rhombipetala* (SC) *
 fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)
 heartscale, *Atriplex cordulata* (SC)
 interior California (Hospital Canyon) larkspur, *Delphinium californicum* ssp. *interius* (SC)
 little mouse-tail, *Myosurus minimus* ssp. *apus* (SC)
 most beautiful (uncommon) jewelflower, *Streptanthus albidus* ssp. *peramoenus* (SC)
 recurved larkspur, *Delphinium recurvatum* (SC)
 robust monardella (=robust coyote mint), *Monardella villosa* ssp. *globosa* (SLC)
 rock sanicle, *Sanicula saxatilis* (SC)
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua* ssp. *ambigua* (SLC)
 serpentine bedstraw, *Galium andrewsii* ssp. *gatense* (SLC)
 showy (=golden) madia, *Madia radiata* (SC) *
 stinkbells, *Fritillaria agrestis* (SLC)
 western leatherwood, *Dirca occidentalis* (SLC)

EL DORADO COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Lahontan cutthroat trout, *Oncorhynchus* (=Salmo) *clarki henshawi* (T)

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

El Dorado bedstraw, *Galium californicum* ssp. *sierrae* (E)

Layne's butterweed (=ragwort), *Senecio layneae* (T)

Pine Hill ceanothus, *Ceanothus roderickii* (E)

Pine Hill flannelbush, *Fremontodendron californicum* ssp. *decumbens* (E)

Stebbins's morning-glory, *Calystegia stebbinsii* (E)

Proposed Species**Birds**

mountain plover, *Charadrius montanus* (PT)

Candidate Species**Amphibians**

California tiger salamander, *Ambystoma californiense* (C)

Plants

Tahoe yellow-cress, *Rorippa subumbellata* (C)

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern**Mammals**

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Harlequin duck, *Histrionicus histrionicus* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)

short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

longfin smelt, *Spirinchus thaleichthys* (SC)

Invertebrates

Button's Sierra sideband snail, *Monadenia mormonum buttoni* (SC)
Lake Tahoe benthic stonefly, *Capnia lacustra* (SC)
Sagehen Creek goracean caddisfly, *Goeracea oregona* (SC)
South Forks ground beetle, *Nebria darlingtoni* (SC)
gold rush hanging fly, *Orbittacus obscurus* (SC)
spiny rhyacophilan caddisfly, *Rhyacophila spinata* (SC)

Plants

Amador (Bisbee Peak) rush-rose, *Helianthemum suffrutescens* (SLC)
Brandegge's clarkia, *Clarkia biloba ssp brandegeae* (SLC)
Cup Lake draba, *Draba asterophora var. macrocarpa* (SC)
El Dorado mule-ears, *Wyethia reticulata* (SC)
Nissenan manzanita, *Arctostaphylos nissenana* (SC)
Oregon fireweed, *Epilobium oreganum* (SC)
Parry's horkelia, *Horkelia parryi* (SLC)
Pleasant Valley mariposa lily, *Calochortus clavatus var. avius* (SC)
Red Hills soaproot, *Chlorogalum grandiflorum* (SC)
Stebbins' phacelia, *Phacelia stebbinsii* (SC)
common moonwort, *Botrychium lunaria* (SC)
felt-leaved (=woolly) violet, *Viola tomentosa* (SLC)

long-petaled lewisia, *Lewisia longipetala* (SC)
northern adder's tongue, *Ophioglossum pusillum* (SC) *
saw-toothed lewisia, *Lewisia serrata* (SC)
upswept moonwort, *Botrychium ascendens* (SC)

FRESNO COUNTY

Listed Species

Mammals

Critical habitat, Fresno kangaroo rat, *Dipodomys nitratoide exilis* (E)
Fresno kangaroo rat, *Dipodomys nitratoide exilis* (E)
San Joaquin kit fox, *Vulpes macrotis mutica* (E)
Sierra Nevada (=California) bighorn sheep, *Ovis canadensis californiana* (E)
Tipton kangaroo rat, *Dipodomys nitratoide nitratoide* (E)
giant kangaroo rat, *Dipodomys ingens* (E)
riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *

Birds

California condor, *Gymnogyps californianus* (E)
bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

blunt-nosed leopard lizard, *Gambelia (=Crotaphytus) sila* (E)
giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Lahontan cutthroat trout, *Oncorhynchus (=Salmo) clarki henshawi* (T)
Paiute cutthroat trout, *Oncorhynchus (=Salmo) clarki seleniris* (T)
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

California jewelflower, *Caulanthus californicus* (E)
Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E) *

Hartweg's golden sunburst, *Pseudobahia bahiifolia* (E)
 Hoover's eriastrum (= woolly-star), *Eriastrum hooveri* (T)
 Keck's checker-mallow (=checkerbloom), *Sidalcea keckii* (E)
 Mariposa pussy-paws, *Calyptridium pulchellum* (T)
 San Benito evening-primrose, *Camissonia benitensis* (T)
 San Joaquin Valley Orcutt grass, *Orcuttia inaequalis* (T)
 San Joaquin adobe sunburst, *Pseudobahia peirsonii* (T)
 San Joaquin woolly-threads, *Monolopia congdonii* (=Lembertia congdonii) (E)
 fleshy (=succulent) owl's-clover, *Castilleja campestris* ssp. *succulenta* (T)
 palmate-bracted bird's-beak, *Cordylanthus palmatus* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C)

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)
 California wolverine, *Gulo gulo luteus* (CA)
 Mt. Lyell shrew, *Sorex lyelli* (SC)
 Pacific fisher, *Martes pennanti pacifica* (SC)
 Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
 San Joaquin (=Nelson's) antelope squirrel, *Ammospermophilus nelsoni* (CA)
 San Joaquin pocket mouse, *Perognathus inornatus* (SC)
 Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
 Southern grasshopper mouse, *Onychomys torridus ramona* (SC)
 Tulare grasshopper mouse, *Onychomys torridus tularensis* (SC)
 Yuma myotis bat, *Myotis yumanensis* (SC)
 fringed myotis bat, *Myotis thysanodes* (SC)
 greater western mastiff-bat, *Eumops perotis californicus* (SC)
 long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)
short-nosed kangaroo rat, *Dipodomys nitratoides brevinasus* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
San Joaquin LeConte's thrasher, *Toxostoma lecontei macmillanorum* (SC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)

tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)
Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Bohart's blue butterfly, *Philotiella speciosa bohartorum* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Ciervo aegialian scarab beetle, *Aegialia concinna* (SC)
Dry Creek cliff strider bug, *Oravelia pege* (SC)
Hopping's blister beetle, *Lytta hoppingi* (SC)
Kings Canyon cryptochian caddisfly, *Cryptochia excella* (SC)
Midvalley fairy shrimp, *Branchinecta mesovallensis* (SC)
Morrison's blister beetle, *Lytta morrisoni* (SC)
San Joaquin dune beetle, *Coelus gracilis* (SC)
San Joaquin tiger beetle, *Cicindela tranquebarica* ssp. (SC)
Sierra pygmy grasshopper, *Tetrix sierrana* (SC)
Wooly hydroporus diving beetle, *Hydroporus hirsutus* (SC)
moestan blister beetle, *Lytta moesta* (SC)

molestan blister beetle, *Lytta molesta* (SC)

Plants

Bodie Hills rock cress, *Arabis bodiensis* (SC)

Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)

Fresno County bird's-beak, *Cordylanthus tenuis* ssp. *barbatus* (SC)

Hall's tarplant, *Deinandra halliana* (SC)

Indian Valley (=gray) bush mallow, *Malacothamnus aboriginum* (SLC)

Kern River daisy, *Erigeron multiceps* (SC)

Kings River buckwheat, *Eriogonum nudum* var. *regirivum* (SLC)

Lemmon's jewelflower, *Caulanthus coulteri* var. *lemmonii* (SLC)

Lost Hills saltbush (=crownscale), *Atriplex vallicola* (SC)

Madera linanthus, *Linanthus serrulatus* (SLC)

Monarch gilia, *Gilia yorkii* (SLC)

Mono Hot Springs evening-primrose, *Camissonia sierrae* ssp. *alticola* (SC)

Munz's tidy-tips, *Layia munzii* (SC)

No common name, *Schizymenium shevockii* (SLC)

Panoche peppergrass, *Lepidium jaredii* var. *album* (SC)

Raven's milk-vetch, *Astragalus monoensis* var. *ravenii* (SC)

San Benito spineflower, *Chorizanthe biloba* var. *immemora* (SC)

South Coast Range morning-glory, *Calystegia collina* ssp. *venusta* (SLC)

Tehipite Valley jewelflower, *Streptanthus fenestratus* (SC)

Yosemite lewisia, *Lewisia disepala* (SC)

alpine streptanthus (=jewel-flower), *Streptanthus gracilis* (SC)

aromatic canyon gooseberry, *Ribes menziesii* var. *ixoderme* (SLC)

brittlescale, *Atriplex depressa* (SC)

carpenteria, *Carpenteria californica* (CA)

cottony buckwheat, *Eriogonum gossypinum* (SLC)

delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)

field ivesia (=field mousetail), *Ivesia campestris* (SLC)

forked fiddleneck, *Amsinckia vernicosa* var. *furcata* (SLC)

heartscale, *Atriplex cordulata* (SC)

hollisteria, *Hollisteria lanata* (SC)

lesser saltscale, *Atriplex minuscula* (SC)

long-petaled lewisia, *Lewisia longipetala* (SC)

mouse buckwheat, *Eriogonum nudum* var. *murinum* (SC)

obovate-leaved thornmint, *Acanthomintha obovata* ssp. *obovata* (SC)

orange lupine, *Lupinus citrinus* var. *citrinus* (SC)

pale-yellow layia, *Layia heterotricha* (SC)
 parasol (=Bolander's) clover, *Trifolium bolanderi* (SC)
 rayless layia, *Layia discoidea* (SC)
 recurved larkspur, *Delphinium recurvatum* (SC)
 serpentine bedstraw, *Galium andrewsii* ssp. *gatense* (SLC)
 short-leaved hulsea (=shortleaf alpinegold), *Hulsea brevifolia* (SLC)
 showy (=golden) madia, *Madia radiata* (SC)
 slender-stalked monkeyflower, *Mimulus gracilipes* (SLC)
 spiny-sealed coyote-thistle (=button-celery), *Eryngium spinosepalum* (SC)
 stinkbells, *Fritillaria agrestis* (SLC)
 subtle orache, *Atriplex subtilis* (SLC)
 valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)

GLENN COUNTY

Listed Species

Birds

Critical habitat, northern spotted owl, *Strix occidentalis caurina* (T)
 bald eagle, *Haliaeetus leucocephalus* (T)
 northern spotted owl, *Strix occidentalis caurina* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, California coastal chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, coho salmon, So OR/No CA, *Oncorhynchus kisutch* (T) NMFS
 Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 coho salmon, So OR/No CA, *Oncorhynchus kisutch* (T) NMFS
 delta smelt, *Hypomesus transpacificus* (T) *
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

- Conservancy fairy shrimp, *Branchinecta conservatio* (E)
- valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
- vernal pool fairy shrimp, *Branchinecta lynchi* (T)
- vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

- Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E)
- Hoover's spurge, *Chamaesyce hooveri* (T)
- hairy Orcutt grass, *Orcuttia pilosa* (E)

Candidate Species**Birds**

- Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Fish

- Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS
- Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern**Mammals**

- Marysville Heermann's kangaroo rat, *Dipodomys californicus eximius* (SC)
- Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
- San Joaquin pocket mouse, *Perognathus inornatus* (SC)
- Yuma myotis bat, *Myotis yumanensis* (SC)
- fringed myotis bat, *Myotis thysanodes* (SC)
- long-eared myotis bat, *Myotis evotis* (SC)
- long-legged myotis bat, *Myotis volans* (SC)
- pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)
- small-footed myotis bat, *Myotis ciliolabrum* (SC)
- spotted bat, *Euderma maculatum* (SC)

Birds

- Aleutian Canada goose, *Branta canadensis leucopareia* (D)
- American bittern, *Botaurus lentiginosus* (SC)
- American peregrine falcon, *Falco peregrinus anatum* (D)
- Bell's sage sparrow, *Amphispiza belli belli* (SC)
- California thrasher, *Toxostoma redivivum* (SC)
- Lawrence's goldfinch, *Carduelis lawrencei* (SC)
- Lewis' woodpecker, *Melanerpes lewis* (SC)
- Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
bank swallow, *Riparia riparia* (CA)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
tailed frog, *Ascaphus truei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Leech's skyline diving beetle, *Hydroporus leechi* (SC)
Sacramento anthicid beetle, *Anthicus sacramento* (SC)

Plants

Brandegee's woolly-star (=eriastrum), *Eriastrum brandegeae* (SC)
 Colusa layia (=Colusa tidytips), *Layia septentrionalis* (SLC)
 Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC)
 Heckard's pepper-grass (Heckard's pepperweed), *Lepidium latipes* var. *heckardii* (SLC)
 Indian Valley brodiaea, *Brodiaea coronaria* ssp. *rosea* (CA)
 Jepson's milk-vetch, *Astragalus rattanii* var. *jepsonianus* (SLC)
 Oregon fireweed, *Epilobium oreganum* (SC)
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
 Snow Mountain buckwheat, *Eriogonum nervulosum* (SC)
 Snow Mountain willowherb, *Epilobium nivium* (SC)
 Stony Creek spurge, *Chamaesyce ocellata* ssp. *rattanii* (SLC)
 Tehama dwarf-flax, *Hesperolinon tehamense* (SC)
 adobe lily, *Fritillaria pluriflora* (SC)
 brittle scale, *Atriplex depressa* (SC)
 caper-fruited tropidocarpum, *Tropidocarpum capparideum* (SC) **
 drymaria dwarf-flax (=western flax), *Hesperolinon drymarioides* (SC)
 heart scale, *Atriplex cordulata* (SC)
 vernal pool (=persistent-fruited, Sacramento) saltbush (=small scale, salt scale), *Atriplex persistens* (SC)
 water-loving checkermallow (=marsh checkerbloom), *Sidalcea oregana* ssp. *hydrophila* (SC)

KERN COUNTY Official list only for Central Valley portion!**Listed Species****Mammals**

Buena Vista Lake shrew, *Sorex ornatus relictus* (E)
 San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 Sierra Nevada (=California) bighorn sheep, *Ovis canadensis californiana* (E)
 Tipton kangaroo rat, *Dipodomys nitratoideus nitratoideus* (E)
 giant kangaroo rat, *Dipodomys ingens* (E)

Birds

California condor, *Gymnogyps californianus* (E)
 Critical habitat, California condor, *Gymnogyps californianus* (E)
 Critical habitat, southwest willow flycatcher, *Empidonax traillii extimus* (E)
 Least Bell's vireo, *Vireo bellii pusillus* (E)
 bald eagle, *Haliaeetus leucocephalus* (T)
 southwestern willow flycatcher, *Empidonax traillii extimus* (E)

Reptiles

- blunt-nosed leopard lizard, *Gambelia* (=Crotaphytus) *sila* (E)
- desert tortoise, *Gopherus agassizii* (T)
- giant garter snake, *Thamnophis gigas* (T)

Amphibians

- California red-legged frog, *Rana aurora draytonii* (T)

Fish

- Sacramento splittail, *Pogonichthys macrolepidotus* (T)
- delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

- Kern primrose sphinx moth, *Euproserpinus euterpe* (T)
- longhorn fairy shrimp, *Branchinecta longiantenna* (E)
- valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
- vernal pool fairy shrimp, *Branchinecta lynchi* (T)

Plants

- Bakersfield cactus, *Opuntia treleasei* (E)
- California jewelflower, *Caulanthus californicus* (E)
- Hoover's eriastrum (= woolly-star), *Eriastrum hooveri* (T)
- Kern mallow, *Eremalche kernensis* (E)
- San Joaquin adobe sunburst, *Pseudobahia peirsonii* (T)
- San Joaquin woolly-threads, *Monolopia congdonii* (=Lembertia congdonii) (E)

Proposed Species**Birds**

- mountain plover, *Charadrius montanus* (PT)

Candidate Species**Birds**

- Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

- California tiger salamander, *Ambystoma californiense* (C)

Species of Concern**Mammals**

- Mohave ground squirrel, *Spermophilus mohavensis* (CA)
- Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
- San Joaquin (=Nelson's) antelope squirrel, *Ammospermophilus nelsoni* (CA)
- San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Southern grasshopper mouse, *Onychomys torridus ramona* (SC)
Tehachapi white-eared pocket mouse, *Perognathus alticola inexpectatus* (SC)
Tulare grasshopper mouse, *Onychomys torridus tularensis* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)
short-nosed kangaroo rat, *Dipodomys nitratoides brevinasus* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
San Joaquin LeConte's thrasher, *Toxostoma lecontei macmillanorum* (SC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)

long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
Sierra night lizard, *Xantusia vigilis sierrae* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
rosy boa, *Lichanura trivirgata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southern rubber boa, *Charina bottae umbratica* (CA)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Breckenridge Mt. slender salamander, *Batrachoseps sp* (SC)
Kern Canyon slender salamander, *Batrachoseps simatus* (CA)
Tehachapi slender salamander, *Batrachoseps stebbinsi* (CA)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
relictual slender salamander, *Batrachoseps relictus* (=pacificus) (SC)
western spadefoot toad, *Spea hammondi* (SC)
yellow-blotched ensatina, *Ensatina eschscholtzii croceator* (SC)

Fish

Kern River rainbow trout, *Oncorhynchus* (=Salmo) *mykiss gilberti* (SC)
Kern brook lamprey, *Lampetra hubbsi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Hopping's blister beetle, *Lytta hoppingi* (SC)
Kern shoulderband snail, *Helminthoglypta callistoderma* (SC)
Morrison's blister beetle, *Lytta morrisoni* (SC)

San Emigdio blue butterfly, *Plebulina emigdionis* (SC)

Tehachapi mountain silverspot butterfly, *Speyeria egleis tehachapina* (SC)

moestan blister beetle, *Lytta moesta* (SC)

molestan blister beetle, *Lytta molesta* (SC)

Plants

Bakersfield saltbush (=smallscale), *Atriplex tularensis* (CA) *

Cache Peak buckwheat, *Eriogonum kennedyi* var. *pinicola* (SC)

Caliente (=Vasek's) clarkia, *Clarkia tembloriensis* ssp. *calientensis* (SC)

California pterygoneurum moss, *Pterygoneurum californicum* (SC) *

California tortula moss, *Tortula californica* (SLC)

Carrizo (=Jared's) peppergrass, *Lepidium jaredii* var. *jaredii* (SC)

Charlotte's phacelia, *Phacelia nashiana* (SC)

Comanche layia, *Layia leucopappa* (SC)

Earlismart orache (=erectstem saltbush), *Atriplex erecticaulis* (SLC)

Ewan's larkspur, *Delphinium hansenii* ssp. *ewanianum* (SC)

Ft. Tejon woolly-sunflower, *Eriophyllum lanatum* var. *hallii* (SC)

Gairdner's yampah, *Perideridia gairdneri* ssp. *gairdneri* (SC)

Greenhorn adobe-lily, *Fritillaria striata* (CA)

Kelso Creek monkeyflower, *Mimulus shevockii* (SC)

Kern Canyon clarkia, *Clarkia xantiana* (=parviflora) (SLC)

Kernville poppy, *Eschscholzia procera* (SC)

Lemmon's jewelflower, *Caulanthus coulteri* var. *lemmonii* (SLC)

Lost Hills saltbush (=crownscale), *Atriplex vallicola* (SC)

Madera linanthus, *Linanthus serrulatus* (SLC)

Mason's nestraw, *Stylocline masonii* (SC)

Munz's tidy-tips, *Layia munzii* (SC)

Nine Mile Canyon phacelia, *Phacelia novemmillensis* (SC)

Owens Peak lomatium, *Lomatium shevockii* (SC)

Palmer's mariposa lily, *Calochortus palmeri* var. *palmeri* (SC)

Piute (=Breedlove's) buckwheat, *Eriogonum breedlovei* var. *breedlovei* (SC)

Piute Mountains jewelflower, *Streptanthus cordatus* var. *piutensis* (SC)

Piute Mountains navarretia, *Navarretia setiloba* (SC)

Piute cypress, *Cupressus nevadensis* (SC)

Shirley Meadows mariposa lily (=star-tulip), *Calochortus westonii* (SC)

Tejon Poppy, *Eschscholzia lemmonii* spp. *kernensis* (SC)

Temblor buckwheat, *Eriogonum temblorense* (SC)

Twisselmann's nemacladus, *Nemacladus twisselmannii* (SC)

Walker Pass (=Ertter's) milk-vetch, *Astragalus ertterae* (SC)
 Yosemite lewisia, *Lewisia disepala* (SC)
 alkali mariposa lily, *Calochortus striatus* (SC)
 aromatic canyon gooseberry, *Ribes menziesii* var. *ixoderme* (SLC)
 brittlescale, *Atriplex depressa* (SC)
 calico monkeyflower, *Mimulus pictus* (SC)
 cottony buckwheat, *Eriogonum gossypinum* (SLC)
 dwarf calycadenia (=dwarf western rosinweed), *Calycadenia villosa* (SLC) *
 flax-like monardella, *Monardella linoides* ssp. *oblonga* (SC)
 forked fiddleneck, *Amsinckia vernicosa* var. *furcata* (SLC)
 heartscale, *Atriplex cordulata* (SC)
 hispid bird's-beak, *Cordylanthus mollis* ssp. *hispidus* (SC)
 hollisteria, *Hollisteria lanata* (SC)
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 lesser saltscale, *Atriplex minuscula* (SC)
 little mousetail, *Myosurus minimus* ssp. *apus* (SC)
 oil neststraw, *Stylocline citroleum* (SC)
 pale-yellow layia, *Layia heterotricha* (SC) *
 recurved larkspur, *Delphinium recurvatum* (SC)
 red rock (=Twisselmann's dwarf) poppy, *Eschscholzia minutiflora* ssp. *twisselmannii* (SC)
 showy (=golden) madia, *Madia radiata* (SC)
 slough thistle, *Cirsium crassicaule* (SC)
 stinkbells, *Fritillaria agrestis* (SLC)
 subtle orache, *Atriplex subtilis* (SLC)
 valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)

KINGS COUNTY

Listed Species

Mammals

Fresno kangaroo rat, *Dipodomys nitratoide exilis* (E)
 San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 Tipton kangaroo rat, *Dipodomys nitratoide nitratoide* (E)
 giant kangaroo rat, *Dipodomys ingens* (E)

Birds

California condor, *Gymnogyps californianus* (E)
 bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

blunt-nosed leopard lizard, *Gambelia (=Crotaphytus) sila* (E)

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

California jewelflower, *Caulanthus californicus* (E) *

Hoover's eriastrum (= woolly-star), *Eriastrum hooveri* (T)

San Joaquin woolly-threads, *Monolopia congdonii* (= *Lembertia congdonii*) (E)

Proposed Species**Birds**

mountain plover, *Charadrius montanus* (PT)

Candidate Species**Birds**

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Species of Concern**Mammals**

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Joaquin (=Nelson's) antelope squirrel, *Ammospermophilus nelsoni* (CA)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Southern grasshopper mouse, *Onychomys torridus ramona* (SC)

Tulare grasshopper mouse, *Onychomys torridus tularensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)
short-nosed kangaroo rat, *Dipodomys nitratoides brevinasus* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
San Joaquin LeConte's thrasher, *Toxostoma lecontei macmillanorum* (SC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

- foothill yellow-legged frog, *Rana boylei* (SC)
- western spadefoot toad, *Spea hammondi* (SC)

Fish

- Kern brook lamprey, *Lampetra hubbsi* (SC)

Invertebrates

- California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
- Ciervo aegialian scarab beetle, *Aegialia concinna* (SC)
- Doyen's trigonascuta dune weevil, *Trigonoscuta doyeri* (SC)
- San Joaquin dune beetle, *Coelus gracilis* (SC)
- molestan blister beetle, *Lytta molesta* (SC)

Plants

- Earlismart orache (=erectstem saltbush), *Atriplex erecticaulis* (SLC)
- King's gold, *Twisselmannia californica* (SC)
- Lemmon's jewelflower, *Caulanthus coulteri* var *lemmonii* (SLC)
- Lost Hills saltbush (=crownscale), *Atriplex vallicola* (SC)
- cottony buckwheat, *Eriogonum gossypinum* (SLC)
- forked fiddleneck, *Amsinckia vernicosa* var. *furcata* (SLC)
- heartscale, *Atriplex cordulata* (SC)
- pale-yellow layia, *Layia heterotricha* (SC) *
- recurved larkspur, *Delphinium recurvatum* (SC)
- showy (=golden) madia, *Madia radiata* (SC) *
- slough thistle, *Cirsium crassicaule* (SC)
- subtle orache, *Atriplex subtilis* (SLC)

LAKE COUNTY**Listed Species**

Birds

- Critical habitat, northern spotted owl, *Strix occidentalis caurina* (T)
- bald eagle, *Haliaeetus leucocephalus* (T)
- marbled murrelet, *Brachyramphus marmoratus* (T)
- northern spotted owl, *Strix occidentalis caurina* (T)

Amphibians

- California red-legged frog, *Rana aurora draytonii* (T)

Fish

- Critical habitat, California coastal chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, coho salmon, So OR/No CA, *Oncorhynchus kisutch* (T) NMFS

Northern California steelhead, *Oncorhynchus mykiss* (T) NMFS

coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS

coho salmon, So OR/No CA, *Oncorhynchus kisutch* (T) NMFS

Invertebrates

California freshwater shrimp, *Syncaris pacifica* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

Plants

Burke's goldfields, *Lasthenia burkei* (E)

Lake County stonecrop, *Parvisedum leiocarpum* (E)

Loch Lomond coyote-thistle (=button-celery), *Eryngium constancei* (E)

few-flowered navarretia, *Navarretia leucocephala* ssp. *pauciflora* (E)

many-flowered navarretia, *Navarretia leucocephala* ssp. *pliantha* (E)

slender Orcutt grass, *Orcuttia tenuis* (T)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Species of Concern

Mammals

California red tree vole, *Arborimus pomo* (SC)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Snowy Egret, *Egretta thula* (MB)

Vaux's swift, *Chaetura vauxi* (SC)

common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Northern red-legged frog, *Rana aurora aurora* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Sacramento perch, *Archoplites interruptus* (SC)

Invertebrates

Sonoma arctic skipper, *Carterocephalus palaemon ssp.* (SC)
brownish dubiraphian riffle beetle, *Dubiraphia brunnescens* (SC)

Plants

Anthony Peak lupine, *Lupinus antoninus* (SC)
Baker's narvarretia, *Navarretia leucocephala ssp. bakeri* (SC)
Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)
Bolander's horkelia, *Horkelia bolanderi* (SC)
Brandegge's woolly-star (=eriastrum), *Eriastrum brandegeae* (SC)
Calistoga ceanothus, *Ceanothus divergens* (SC)
Colusa layia (=Colusa tidytip), *Layia septentrionalis* (SLC)
Freed's jewelflower, *Streptanthus brachiatus ssp. hoffmanii* (SC)
Hall's madia (=Hall's harmonia), *Madia hallii* (=Harmonia hallii) (SC)
Hopland (=Raiche's) manzanita, *Arctostaphylos stanfordiana ssp. raichei* (SC)

Indian Valley brodiaea, *Brodiaea coronaria* ssp. *rosea* (CA)
 Jepson's linanthus, *Linanthus jepsonii* (SLC)
 Jepson's milk-vetch, *Astragalus rattanii* var *jepsonianus* (SLC)
 Kruckeberg's jewelflower, *Streptanthus morrisonii* ssp. *kruckebergii* (SC)
 Lake County dwarf-flax (=western flax), *Hesperolinon didymocarpum* (CA)
 Mt. Saint Helena morning-glory, *Calystegia collina* ssp. *oxyphylla* (SLC)
 Napa western flax, *Hesperolinon serpentinum* (SC)
 Rincon Ridge ceanothus, *Ceanothus confusus* (SC)
 Snow Mountain buckwheat, *Eriogonum nervulosum* (SC)
 Snow Mountain willowherb, *Epilobium nivium* (SC)
 Sonoma manzanita, *Arctostaphylos canescens* ssp. *sonomensis* (SLC)
 St. Helena fawn lily, *Erythronium helenae* (SLC)
 Three Peaks jewelflower, *Streptanthus morrisonii* ssp. *elatus* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 adobe lily, *Fritillaria pluriflora* (SC)
 beaked tracyina, *Tracyina rostrata* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var *macrolepis* (SLC)
 drymaria dwarf-flax (=western flax), *Hesperolinon drymarioides* (SC)
 dwarf soaproot (=wavyleaf soap plant), *Chlorogalum pomeridianum* var *minus* (SLC)
 glandular dwarf-flax (=western flax), *Hesperolinon adenophyllum* (SC)
 green (=serpentine) jewel-flower, *Streptanthus breweri* var *hesperidis* (=S. *hesperidi*) (SLC)
 legenere, *Legenere limosa* (SC)
 narrow-anthered California brodiaea, *Brodiaea californica* var *leptandra* (SLC)
 narrow-leaved daisy (=serpentine fleabane), *Erigeron angustatus* (SLC)
 pincushion navarretia, *Naverretia myersii* spp. *myersii* (SC)
 pink creamsacs, *Castilleja rubicundula* ssp. *rubicundula* (SLC)
 popcorn-flower, Mayacamas, *Plagiobothrys lithocaryus* (SC) **
 robust monardella (=robust coyote mint), *Monardella villosa* ssp. *globosa* (SLC)
 serpentine (=Cleveland's) cryptantha, *Cryptantha clevelandii* (SLC)
 small pincushion navarretia, *Naverretia myersii* spp. *deminuta* (SC)
 two-carpeled dwarf-flax (=western flax), *Hesperolinon bicarpellatum* (SC)
 water-loving checkermallow (=marsh checkerbloom), *Sidalcea oregana* ssp. *hydrophila* (SC)

LASSEN COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Modoc sucker, *Catostomus microps* (E)

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T)

Invertebrates

Carson wandering skipper, *Pseudocopaeodes eunus obscurus* (E)

Shasta crayfish, *Pacifastacus fortis* (E)

Plants

slender Orcutt grass, *Orcuttia tenuis* (T)

Candidate Species

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

pygmy rabbit, *Brachylagus idahoensis* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
sage grouse, *Centrocercus urophasianus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Cascades frog, *Rana cascadae* (SC)

Fish

Eagle Lake rainbow trout, *Oncorhynchus (=Salmo) mykiss aquilarum* (SC)
Goose Lake redband trout, *Oncorhynchus (=Salmo) mykiss ssp.* (SC)

Great Basin redband trout, *Oncorhynchus* (=Salmo) *mykiss* ssp. (SC)

Pit roach, *Lavinia symmetricus mitrulus* (SC)

rough sculpin, *Cottus asperimus* (CA)

Invertebrates

King's Creek ecclisomyian caddisfly, *Ecclisomyia bilera* (SC)

King's Creek parapsyche caddisfly, *Parapsyche extensa* (SC)

Siskiyou ground beetle, *Nebria gebleri siskiyouensis* (SC)

Trinity Alps ground beetle, *Nebria sahlbergii triad* (SC)

Plants

Ash Creek ivesia, *Ivesia paniculata* (SC)

Ash Valley (=troubled) milk-vetch, *Astragalus anxius* (SC)

Baker's globe mallow (=Baker's wild hollyhock), *Iliamna bakeri* (SLC)

Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)

Egg Lake monkeyflower, *Mimulus pygmaeus* (SLC)

Gairdner's yampah, *Perideridia gairdneri* ssp. *gairdneri* (SC)

Howell's thelypodium, *Thelypodium howellii* ssp. *howellii* (SLC)

Modoc County knotweed, *Polygonum polygaloides* ssp. *esotericum* (SC)

Plumas ivesia, *Ivesia sericoleuca* (SC)

Pulsifer's (=Ames') milk-vetch, *Astragalus pulsiferae* var. *pulsiferae* (SLC)

Sierra Valley ivesia, *Ivesia aperta* var. *aperta* (SC)

Soldier Meadows cinquefoil (=Black Rock potentilla), *Potentilla basaltica* (SC)

Suksdorf's milk-vetch, *Astragalus pulsiferae* var. *suksdorfii* (SC)

Webber's ivesia, *Ivesia webberi* (SC)

Williams's (=Washoe) combleaf, *Polycytenium williamsiae* (SLC)

bearded lupine, *Lupinus latifolius* var. *barbatus* (SLC)

common moonwort, *Botrychium lunaria* (SC)

ephemeral (=disappearing) monkeyflower, *Mimulus evanescens* (SLC)

long-haired star-tulip, *Calochortus longebarbatus* var. *longebarbatus* (SC)

milk-vetch, Lemmon's, *Astragalus lemmonii* (SLC)

propuse-flowering (=Devil's Garden) pogogyne, *Pogogyne floribunda* (SC)

prostrate buckwheat, *Eriogonum prociduum* (SC)

tall alpine-aster (= Plumas alpine aster), *Oreostemma elatum* (SLC)

MADERA COUNTY

Listed Species

Mammals

Fresno kangaroo rat, *Dipodomys nitratoide exilis* (E)

San Joaquin kit fox, *Vulpes macrotis mutica* (E)

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

blunt-nosed leopard lizard, *Gambelia* (=Crotaphytus) *silae* (E)

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Lahontan cutthroat trout, *Oncorhynchus* (=Salmo) *clarki henshawi* (T)

Paiute cutthroat trout, *Oncorhynchus* (=Salmo) *clarki seleniris* (T)

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

longhorn fairy shrimp, *Branchinecta longiantenna* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E) *

Hartweg's golden sunburst, *Pseudobahia bahiifolia* (E)

Mariposa pussy-paws, *Calyptridium pulchellum* (T)

San Joaquin Valley Orcutt grass, *Orcuttia inaequalis* (T)

fleshy (=succulent) owl's-clover, *Castilleja campestris* ssp. *succulenta* (T)

hairy Orcutt grass, *Orcuttia pilosa* (E)

palmate-bracted bird's-beak, *Cordylanthus palmatus* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Merced kangaroo rat, *Dipodomys heermanni dixonii* (SC)

Mt. Lyell shrew, *Sorex lyelli* (SC)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin (=Nelson's) antelope squirrel, *Ammospermophilus nelsoni* (CA)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Southern grasshopper mouse, *Onychomys torridus ramona* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

short-nosed kangaroo rat, *Dipodomys nitratoides brevinasus* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

Brewer's sparrow, *Spizella breweri* (SC)

California spotted owl, *Strix occidentalis occidentalis* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Costa's hummingbird, *Calypte costae* (SC)

Harlequin duck, *Histrionicus histrionicus* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Bohart's blue butterfly, *Philotiella speciosa bohartorum* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Leech's skyline diving beetle, *Hydroporus leechi* (SC)
Midvalley fairy shrimp, *Branchinecta mesovallensis* (SC)
San Joaquin tiger beetle, *Cicindela tranquebarica* ssp. (SC)
Sierra pygmy grasshopper, *Tetrix sierrana* (SC)
Wawona riffle beetle, *Atractelmis wawona* (SC)
Yosemite mariposa sideband snail, *Monadenia hillebrandi yosemitensis* (SC)
molestan blister beetle, *Lytta molesta* (SC)

Plants

Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)
Ewan's larkspur, *Delphinium hansenii* ssp. *ewanianum* (SC)
Hoover's cryptantha, *Cryptantha hooveri* (SLC)
Hoover's rosinweed (=caycadenia), *Calycadenia hooveri* (SLC)
Madera linanthus, *Linanthus serrulatus* (SLC)
Mono Hot Springs evening-primrose, *Camissonia sierrae* ssp. *alticola* (SC)
Rawson's flaming-trumpet, *Collomia rawsoniana* (SC)
Small's southern clarkia, *Clarkia australis* (SC)
Yosemite lewisia, *Lewisia disepala* (SC)
Yosemite woolly-sunflower, *Eriophyllum nubigenum* (SC)
brittlescale, *Atriplex depressa* (SC)
carpenteria, *Carpenteria californica* (CA)
common moonwort, *Botrychium lunaria* (SC)
heartscale, *Atriplex cordulata* (SC)
large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
lesser saltscale, *Atriplex minuscula* (SC)
orange lupine, *Lupinus citrinus* var. *citrinus* (SC)
parasol (=Bolander's) clover, *Trifolium bolanderi* (SC)
short-leaved hulsea (=shortleaf alpinegold), *Hulsea brevifolia* (SLC)
spiny-sepaled coyote-thistle (=button-celery), *Eryngium spinosepalum* (SC)
subtle orache, *Atriplex subtilis* (SLC)

MARIN COUNTY**Listed Species****Mammals**

Critical Habitat, Steller (=northern) sea-lion, *Eumetopias jubatus* (T) NMFS
Guadalupe fur seal, *Arctocephalus townsendi* (T) NMFS
Steller (=northern) sea-lion, *Eumetopias jubatus* (T) NMFS
blue whale, *Balaenoptera musculus* (E) NMFS
finback (=fin) whale, *Balaenoptera physalus* (E) NMFS
humpback whale, *Megaptera novaeangliae* (E) NMFS
right whale, *Eubalaena glacialis* (E) NMFS
salt marsh harvest mouse, *Reithrodontomys raviventris* (E)
sei whale, *Balaenoptera borealis* (E) NMFS
sperm whale, *Physeter catodon* (=macrocephalus) (E) NMFS

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
California clapper rail, *Rallus longirostris obsoletus* (E)
California least tern, *Sterna antillarum* (=albifrons) browni (E)
Critical habitat, marbled murrelet, *Brachyramphus marmoratus* (T)
Critical habitat, western snowy plover, *Charadrius alexandrinus nivosus* (T)
bald eagle, *Haliaeetus leucocephalus* (T)
marbled murrelet, *Brachyramphus marmoratus* (T)
northern spotted owl, *Strix occidentalis caurina* (T)
short-tailed albatross, *Diomedea albatrus* (E)
western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

green turtle, *Chelonia mydas* (incl. agassizi) (T) NMFS
leatherback turtle, *Dermochelys coriacea* (E) NMFS
loggerhead turtle, *Caretta caretta* (T) NMFS
olive (=Pacific) ridley sea turtle, *Lepidochelys olivacea* (T) NMFS

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

California coastal chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, California coastal chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
 Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
 delta smelt, *Hypomesus transpacificus* (T) *
 tidewater goby, *Eucyclogobius newberryi* (E)
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

California freshwater shrimp, *Syncaris pacifica* (E)
 Myrtle's silverspot butterfly, *Speyeria zerene myrtleae* (E)
 San Bruno elfin butterfly, *Incisalia mossii bayensis* (E)
 mission blue butterfly, *Icaricia icarioides missionensis* (E)
 white abalone, *Haliotes sorenseni* (E) NMFS

Plants

Baker's larkspur, *Delphinium bakeri* (E)
 Marin dwarf-flax (=western flax), *Hesperolinon congestum* (T)
 Santa Cruz tarplant, *Holocarpha macradenia* (T) *
 Sonoma alopecurus, *Alopecurus aequalis* var. *sonomensis* (E)
 Sonoma spineflower, *Chorizanthe valida* (E)
 Tiburon jewelflower, *Streptanthus niger* (E)
 Tiburon mariposa lily, *Calochortus tiburonensis* (T)
 Tiburon paintbrush, *Castilleja affinis* ssp. *neglecta* (E)
 beach layia, *Layia carnosa* (E)
 clover lupine [Tidestrom's lupine], *Lupinus tidestromii* (E)
 showy Indian clover, *Trifolium amoenum* (E)
 soft bird's-beak, *Cordylanthus mollis* ssp. *mollis* (E) *
 white-rayed pentachaeta, *Pentachaeta bellidiflora* (E) *
 yellow larkspur, *Delphinium luteum* (E)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Invertebrates

black abalone, *Haliotes cracherodii* (C) NMFS

Species of Concern

Mammals

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

Point Reyes jumping mouse, *Zapus trinitatus orarius* (SC)

Point Reyes mountain beaver, *Aplodontia rufa phaea* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

gray whale, *Eschrichtius robustus* (D) NMFS

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

Birds

Allen's hummingbird, *Selasphorus sasin* (SC)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Harlequin duck, *Histrionicus histrionicus* (SC)

San Pablo song sparrow, *Melospiza melodia samuelis* (SC)

Snowy Egret, *Egretta thula* (MB)

Vaux's swift, *Chaetura vauxi* (SC)

Xantus' murrelet, *Synthliboramphus hypoleucus* (SC)

ashy storm-petrel, *Oceanodroma homochroa* (SC)

bank swallow, *Riparia riparia* (CA)

black rail, *Laterallus jamaicensis coturniculus* (CA)

black swift, *Cypseloides niger* (SC)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

elegant tern, *Sterna elegans* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

hermit warbler, *Dendroica occidentalis* (SC)

little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Northern red-legged frog, *Rana aurora aurora* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Marin blind harvestman, *Calicina diminua* (SC)
Marin elfin butterfly, *Incisalia mossii marinensis* (SC)
Nicklin's Peninsula Coast Range snail, *Helminthoglypta nickliniana awania* (SC)
Opler's longhorn moth, *Adela oplerella* (SC)
Point Reyes blue butterfly, *Icaricia icarioides ssp.* (SC)
Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
Sonoma arctic skipper, *Carterocephalus palaemon ssp.* (SC)
Tiburon microblind harvestman, *Microcina tiburona* (SC)
William's bronze shoulderband snail, *Helminthoglypta arrosa williamsi* (SC)
bumblebee scarab beetle, *Lichnanthe ursina* (SC)
globose dune beetle, *Coelus globosus* (SC)
sandy beach tiger beetle, *Cicindela hirticollis grvida* (SC)

Plants

Baker's goldfields, *Lasthenia macrantha ssp bakeri* (SLC)
Baker's narvarretia, *Navarretia leucocephala ssp. bakeri* (SC)

Blasdale's bentgrass, *Agrostis blasdalei* var. *blasdalei* (SC)
California beaked-rush, *Rhynchospora californica* (SC)
California goosefoot, *Chenopodium californicum* (SLC)
California saltbush, *Atriplex californica* (SLC)
Coast Indian paintbrush, *Castilleja affinis* spp. *affinis* (SLC)
Diablo helianthella (=rock-rose), *Helianthella castanea* (SC) *
Franciscan thistle, *Cirsium andrewsii* (SC)
Gairdner's yampah, *Perideridia gairdneri* ssp. *gairdneri* (SC)
Humboldt Bay owl's-clover, *Castilleja ambigua* ssp. *humboldtiensis* (SC)
Kellogg's horkelia, *Horkelia cuneata* ssp. *sericea* (SC) *
Marin (=Bollinas) manzanita, *Arctostaphylos virgata* (SLC)
Marin County navarretia (=San Anselmo navarretia), *Navarretia rosulata* (SLC)
Marin checker lily, *Fritilaria lanceolata* var. *tristulis* (SC)
Marin checkermallow (=checkerbloom), *Sidalcea hickmanii* ssp. *viridis* (SLC)
Marin knotweed, *Polygonum marinense* (SLC)
Mason's ceanothus, *Ceanothus masonii* (SC)
Mason's lilaeopsis, *Lilaeopsis masonii* (SC)
Mount Tamalpais jewelflower, *Streptanthus glandulosus* ssp. *pulchellus* (SC)
Mt. Tamalpais thistle, *Cirsium hydrophilum* var. *vaseyi* (SC)
Mt. Vision ceanothus, *Ceanothus gloriosus* var. *porrectus* (SC)
Napa false indigo, *Amorpha californica* var. *napensis* (SLC)
North Coast phacelia, *Phacelia insularis* var. *continentis* (SC)
Nuttall's milk-vetch, *Astragalus nuttallii* var. *virgatus* (SLC)
Pacific cordgrass (=California cordgrass), *Sparina foliosa* (SLC)
Point Reyes checkerbloom, *Sidalcea calycosa* ssp. *rhizomata* (SLC)
Point Reyes horkelia, *Horkelia marinensis* (SC)
Point Reyes meadowfoam, *Limnanthes douglasii* ssp. *sulphurea* (CA)
Point Reyes stickyseed (=blennosperma), *Blennosperma nanum* var. *robustum* (SC)
Pt. Reyes rein orchid, *Piperia elegans* spp. *decurtata* (SC)
Round-headed Chinese houses, *Collinsia corymbosa* (SC)
San Francisco (=bluehead, Chamisso's, dune) gilia, *Gilia capitata* ssp. *chamissonis* (SC)
San Francisco Bay spineflower, *Chorizanthe cuspidata* var. *cuspidata* (SC)
San Francisco gumplant, *Grindelia hirsutula* var. *maritima* (SC)
San Francisco owl's-clover, *Triphysaria floribunda* (SC)
San Francisco wallflower, *Erysimum franciscanum* (SC)
Santa Cruz microseris, *Microseris decipiens* (SC)
Tamalpais lessingia, *Lessingia micradenia* var. *micradenia* (SC)

Tamalpais manzanita, *Arctostaphylos hookeri* ssp. *montana* (SC)
 Tamalpais streptanthus (=jewel-flower), *Streptanthus batrachopus* (SC)
 Thurber's reed grass, *Calamagrostis crassiglumis* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 Tiburon tarplant, *Hemizonia multicaulis* ssp. *vernalis* (SC)
 Tomales clarkia (= Raiche's red ribbons), *Clarkia concinna* ssp. *raichei* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 coast lily, *Lilium maritimum* (SC) *
 coast rock-cress, *Arabis blepharophylla* (SLC)
 coastal bluff morning-glory, *Calystegia purpurata* ssp. *saxicola* (SLC)
 curly-leaved (=curlyleaf) monardella, *Monardella undulata* (SC)
 delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)
 dune (=camphor) tansy, *Tanacetum camphoratum* (SC)
 fissidens moss, *Fissidens pauperculus* (SLC)
 fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)
 hairless allocarya (=popcornflower), *Plagiobothrys glaber* (SC) **
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 marsh microseris (=marsh silverpuffs), *Microseris paludosa* (SLC)
 marsh milkvetch (=brine milk-vetch, =marsh locoweed), *Astragalus pycnostachyus* var. *pycnostachyus* (SLC)
 northcoast (=Point Reyes) bird's-beak, *Cordylanthus maritimus* ssp. *palustris* (SC)
 northcoast semaphore grass, *Pleuropogon hooverianus* (SC)
 perennial goldfields, *Lasthenia macrantha* ssp. *macrantha* (SLC)
 pink sand-verbena, *Abronia umbellata* ssp. *umbellata* (SLC)
 purple-stemmed (=dwarf) checkerbloom, *Sidalcea malvaeflora* ssp. *purpurea* (SLC)
 rose linanthus, *Linanthus rosaceus* (SC) *
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua* ssp. *ambigua* (SLC)
 seashore (=coast, =beach) starwort, *Stellaria littoralis* (SC)
 seaside tarplant, *Hemizonia multicaulis* ssp. *multicaulis* (SC)
 supple daisy, *Erigeron supplex* (SC) *
 swamp harebell, *Campanula californica* (SC)
 thin-lobbed (=Santa Rosa) horkelia, *Horkelia tenuiloba* (SLC)
 valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)
 western leatherwood, *Dirca occidentalis* (SLC)
 woolly-headed (=San Francisco) spineflower, *Chorizanthe cuspidata* var. *villosa* (SC)
 woolly-headed gilia, *Gilia capitata* ssp. *tomentosa* (SC)
 yarrow-leaf (=manyleaf, dark-eyed) gilia, *Gilia millefoliata* (SLC)

MARIPOSA COUNTY**Listed Species**

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

blunt-nosed leopard lizard, *Gambelia* (=Crotaphytus) *sila* (E)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFSSacramento splittail, *Pogonichthys macrolepidotus* (T)delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)vernal pool fairy shrimp, *Branchinecta lynchi* (T)

Plants

Mariposa pussy-paws, *Calyptridium pulchellum* (T)fleshy (=succulent) owl's-clover, *Castilleja campestris* ssp. *succulenta* (T)**Proposed Species**

Birds

mountain plover, *Charadrius montanus* (PT)**Candidate Species**

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFSCritical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) ***Species of Concern**

Mammals

American (=pine) marten, *Martes americana* (SC)California wolverine, *Gulo gulo luteus* (CA)Mt. Lyell shrew, *Sorex lyelli* (SC)Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)
pygmy rabbit, *Brachylagus idahoensis* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Harlequin duck, *Histrionicus histrionicus* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
Yosemite toad, *Bufo canorus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
limestone salamander, *Hydromantes brunus* (CA)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)
Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Bohart's blue butterfly, *Philotiella speciosa bohartorum* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Leech's skyline diving beetle, *Hydroporus leechi* (SC)
Merced Canyon shoulderband snail, *Helminthoglypta allynsmithi* (SC)
Sierra pygmy grasshopper, *Tetrix sierrana* (SC)
Wawona riffle beetle, *Atractelmis wawona* (SC)
Yosemite mariposa sideband snail, *Monadenia hillebrandi yosemitensis* (SC)
molestan blister beetle, *Lytta molesta* (SC)

Plants

California beaked-rush, *Rhynchospora californica* (SC)
 Congdon's lomatium, *Lomatium congdonii* (SC) *
 Congdon's woolly-sunflower, *Eriophyllum congdonii* (SC)
 Hetch Hetchy (=slender-stemmed) monkeyflower, *Mimulus filicaulis* (SC)
 Hoover's rosinweed (=caycadenia), *Calycadenia hooveri* (SLC)
 Madera linanthus, *Linanthus serrulatus* (SLC)
 Mariposa clarkia, *Clarkia biloba ssp. australis* (SC)
 Mariposa daisy, *Erigeron mariposanus* (SC) **
 Mariposa lupine, *Lupinus citrinus var. deflexus* (CA)
 Merced clarkia, *Clarkia lingulata* (CA)
 Mono Hot Springs evening-primrose, *Camissonia sierrae ssp. alticola* (SC)
 Parry's horkelia, *Horkelia parryi* (SLC)
 Pleasant Valley mariposa lily, *Calochortus clavatus var. avius* (SC) *
 Rawson's flaming-trumpet, *Collomia rawsoniana* (SC)
 Small's southern clarkia, *Clarkia australis* (SC)
 Yosemite (=Torry's) popcorn-flower, *Plagiobothrys torreyi var torreyi* (SLC)
 Yosemite lewisia, *Lewisia disepala* (SC)
 Yosemite woolly-sunflower, *Eriophyllum nubigenum* (SC)
 beaked clarkia, *Clarkia rostrata* (SC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis var macrolepis* (SLC)
 common moonwort, *Botrychium lunaria* (SC)
 pansy (=yellowlip pansy) monkeyflower, *Mimulus pulchellus* (SLC)
 parasol (=Bolander's) clover, *Trifolium bolanderi* (SC)
 shaggyhair lupine, *Lupinus spectabilis* (SC)
 short-leaved hulsea (=shortleaf alpinegold), *Hulsea brevifolia* (SLC)
 slender-stalked monkeyflower, *Mimulus gracilipes* (SLC)
 stinkbells, *Fritillaria agrestis* (SLC)

MERCED COUNTY

Listed Species

Mammals

Fresno kangaroo rat, *Dipodomys nitratoides exilis* (E)
 San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 giant kangaroo rat, *Dipodomys ingens* (E)
 riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *
 riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

blunt-nosed leopard lizard, *Gambelia* (=Crotaphytus) *sila* (E)

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

longhorn fairy shrimp, *Branchinecta longiantenna* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Colusa grass, *Neostapfia colusana* (T)

Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E)

Hoover's spurge, *Chamaesyce hooveri* (T)

San Joaquin Valley Orcutt grass, *Orcuttia inaequalis* (T)

fleshy (=succulent) owl's-clover, *Castilleja campestris* ssp. *succulenta* (T)

hairy Orcutt grass, *Orcuttia pilosa* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Merced kangaroo rat, *Dipodomys heermanni dixonii* (SC)
Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
San Joaquin (=Nelson's) antelope squirrel, *Ammospermophilus nelsoni* (CA)
San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)
short-nosed kangaroo rat, *Dipodomys nitratoides brevinasus* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)
Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Ciervo aegialian scarab beetle, *Aegialia concinna* (SC)
Midvalley fairy shrimp, *Branchinecta mesoavallensis* (SC)
San Joaquin dune beetle, *Coelus gracilis* (SC)
molestan blister beetle, *Lytta molesta* (SC)

Plants

Arbutus Ranch jewelflower, *Streptanthus insignis* ssp. *lyonii* (SC)
Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)
Hall's bush mallow, *Malacothamnus hallii* (=M. *fasciculatus*) (SLC)
Henderson's bent grass, *Agrostis hendersonii* (SC)
Hoover's cryptantha, *Cryptantha hooveri* (SLC)

Hoover's rosinweed (=caycadenia), *Calycadenia hooveri* (SLC)
 Lost Hills saltbush (=crownscale), *Atriplex vallicola* (SC)
 Merced monardella, *Monardella leucocephala* (SC) **
 Merced phacelia, *Phacelia ciliata* var. *opaca* (SC)
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC)
 beaked clarkia, *Clarkia rostrata* (SC)
 brittlescale, *Atriplex depressa* (SC)
 delta coyote-thistle (=button-celery), *Eryngium racemosum* (CA)
 hairless allocarya (=popcornflower), *Plagiobothrys glaber* (SC) **
 heartscale, *Atriplex cordulata* (SC)
 hispid bird's-beak, *Cordylanthus mollis* ssp. *hispidus* (SC)
 hollisteria, *Hollisteria lanata* (SC)
 interior California (Hospital Canyon) larkspur, *Delphinium californicum* ssp. *interius* (SC)
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 lesser saltscale, *Atriplex minuscula* (SC) *
 pincushion navarretia, *Navarretia myersii* spp. *myersii* (SC)
 prostrate navarretia (=prostrate pincushionplant), *Navarretia prostrata* (SC)
 recurved larkspur, *Delphinium recurvatum* (SC)
 subtle orache, *Atriplex subtilis* (SLC)
 valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)
 vernal pool (=persistent-fruited, Sacramento) saltbush (=smallscale, saltscale), *Atriplex persistens* (SC)

NAPA COUNTY

Listed Species

Mammals

salt marsh harvest mouse, *Reithrodontomys raviventris* (E)

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)

California clapper rail, *Rallus longirostris obsoletus* (E)

California least tern, *Sterna antillarum* (=albifrons) *browni* (E)

bald eagle, *Haliaeetus leucocephalus* (T)

northern spotted owl, *Strix occidentalis caurina* (T)

western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS

Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS

delta smelt, *Hypomesus transpacificus* (T)

tidewater goby, *Eucyclogobius newberryi* (E)

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

California freshwater shrimp, *Syncaris pacifica* (E)

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

callippe silverspot butterfly, *Speyeria callippe callippe* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

Plants

Calistoga allocarya (popcorn-flower), *Plagiobothrys strictus* (E)

Clara Hunt's milk-vetch, *Astragalus clarianus* (E)

Contra Costa goldfields, *Lasthenia conjugens* (E)

Napa bluegrass, *Poa napensis* (E)

Sebastopol meadowfoam, *Limnanthes vinculans* (E)

Tiburon paintbrush, *Castilleja affinis* ssp. *neglecta* (E)

few-flowered navarretia, *Navarretia leucocephala* ssp. *pauciflora* (E)

showy Indian clover, *Trifolium amoenum* (E) *

soft bird's-beak, *Cordylanthus mollis* ssp. *mollis* (E)

Proposed Species**Birds**

mountain plover, *Charadrius montanus* (PT)

Candidate Species**Birds**

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Suisun ornate shrew, *Sorex ornatus sinuosus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

Birds

Allen's hummingbird, *Selasphorus sasin* (SC)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

San Pablo song sparrow, *Melospiza melodia samuelis* (SC)

Snowy Egret, *Egretta thula* (MB)

Vaux's swift, *Chaetura vauxi* (SC)

black rail, *Laterallus jamaicensis coturniculus* (CA)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

hermit warbler, *Dendroica occidentalis* (SC)

little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)

long-billed curlew, *Numenius americanus* (SC)

oak titmouse, *Baeolophus inornatus* (SLC)

olive-sided flycatcher, *Contopus cooperi* (SC)

rufous hummingbird, *Selasphorus rufus* (SC)

saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)

short-eared owl, *Asio flammeus* (SC)

tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Northern red-legged frog, *Rana aurora aurora* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
Sonoma arctic skipper, *Carterocephalus palaemon* ssp. (SC)

Plants

Baker's narvarretia, *Navarretia leucocephala* ssp. *bakeri* (SC)
Brewer's dwarf-flax (=western flax), *Hesperolinon breweri* (SC)
Calistoga ceanothus, *Ceanothus divergens* (SC)
Colusa layia (=Colusa tidytip), *Layia septentrionalis* (SLC)
Contact (Socrates) Mine jewelflower, *Streptanthus brachiatus* ssp. *brachiatus* (SC)
Gairdner's yampah, *Perideridia gairdneri* ssp. *gairdneri* (SC)
Hall's madia (=Hall's harmonia), *Madia hallii* (=Harmonia hallii) (SC)
Jepson's linanthus, *Linanthus jepsonii* (SLC)
Jepson's milk-vetch, *Astragalus rattanii* var. *jepsonianus* (SLC)
Kruckeberg's jewelflower, *Streptanthus morrisonii* ssp. *kruckebergii* (SC)
Marin County navarretia (=San Anselmo navarretia), *Navarretia rosulata* (SLC)
Marin checkermallow (=checkerbloom), *Sidalcea hickmanii* ssp. *viridis* (SLC)
Marin knotweed, *Polygonum marinense* (SLC)
Mason's lilaeopsis, *Lilaeopsis masonii* (SC)
Mt. Saint Helena morning-glory, *Calystegia collina* ssp. *oxyphylla* (SLC)
Napa false indigo, *Amorpha californica* var. *napensis* (SLC)

Napa western flax, *Hesperolinon serpentinum* (SC)
 Northern California black walnut, *Juglans californica* var. *hindsii* (SC)
 Pacific cordgrass (=California cordgrass), *Spartina foliosa* (SLC)
 Rincon Ridge ceanothus, *Ceanothus confusus* (SC)
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
 Snow Mountain buckwheat, *Eriogonum nervulosum* (SC)
 Sonoma ceanothus, *Ceanothus sonomensis* (SC)
 St. Helena fawn lily, *Erythronium helenae* (SLC)
 Suisun Marsh aster, *Aster lentus* (SC)
 Three Peaks jewelflower, *Streptanthus morrisonii* ssp. *elatus* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 Tiburon tarplant, *Hemizonia multicaulis* ssp. *vernalis* (SC)
 adobe lily, *Fritillaria pluriflora* (SC)
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)
 delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)
 drymaria dwarf-flax (=western flax), *Hesperolinon drymarioides* (SC)
 green (=serpentine) jewel-flower, *Streptanthus breweri* var. *hesperidis* (=S. *hesperidi*) (SLC)
 holly-leaved ceanothus, *Ceanothus purpureus* (SLC)
 legenere, *Legenere limosa* (SC)
 narrow-anthered California brodiaea, *Brodiaea californica* var. *leptandra* (SLC)
 narrow-leaved daisy (=serpentine fleabane), *Erigeron angustatus* (SLC)
 pink creamsacs, *Castilleja rubicundula* ssp. *rubicundula* (SLC)
 robust monardella (=robust coyote mint), *Monardella villosa* ssp. *globosa* (SLC)
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua* ssp. *ambigua* (SLC)
 serpentine (=Cleveland's) cryptantha, *Cryptantha clevelandii* (SLC)
 two-carpeled dwarf-flax (=western flax), *Hesperolinon bicarpellatum* (SC)
 water sack (=saline) clover, *Trifolium depauperatum* var. *hydrophilum* (SC)
 water-loving checkermallow (=marsh checkerbloom), *Sidalcea oregana* ssp. *hydrophila* (SC)

NEVADA COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Lahontan cutthroat trout, *Oncorhynchus* (=Salmo) *clarki henshawi* (T)
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

Plants

Stebbins's morning-glory, *Calystegia stebbinsii* (E)
Truckee barberry, *Berberis sonnei* (E)

Candidate Species

Plants

Tahoe yellow-cress, *Rorippa subumbellata* (C) *
slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)
California wolverine, *Gulo gulo luteus* (CA)
Pacific fisher, *Martes pennanti pacifica* (SC)
San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)

California thrasher, *Toxostoma redivivum* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
sage grouse, *Centrocercus urophasianus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Invertebrates

Cold Spring caddisfly, *Lepidostoma ermanae* (SC)
Sagehen Creek goracean caddisfly, *Goeracea oregona* (SC)
amphibious caddisfly, *Desmona bethula* (SC)

Plants

Brandege's clarkia, *Clarkia biloba ssp brandegeae* (SLC)

Butte fritillary, *Fritillaria eastwoodiae* (SC)
 Cantelow's lewisia, *Lewisia cantelowii* (SC)
 Cedar Crest allocarya, *Plagiobothrys glyptocarpus* var. *modestus* (SC)
 Donner Pass buckwheat, *Eriogonum umbellatum* var. *torreyanum* (SC)
 Follett's monardella, *Monardella follettii* (SLC)
 Lemmon's clover, *Trifolium lemmonii* (SLC)
 Plumas ivesia, *Ivesia sericoleuca* (SC)
 Scadden Flat checkermallow (=checkerbloom), *Sidalcea stipularis* (CA)
 Stebbins' phacelia, *Phacelia stebbinsii* (SC)
 closed-lip (closed-throated) beardtongue, *Penstemon personatus* (SC)
 clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
 common moonwort, *Botrychium lunaria* (SC)
 felt-leaved (=woolly) violet, *Viola tomentosa* (SLC)
 long-petaled lewisia, *Lewisia longipetala* (SC)

PLACER COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Lahontan cutthroat trout, *Oncorhynchus* (=Salmo) *clarki henshawi* (T)

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Truckee barberry, *Berberis sonnei* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Plants

Tahoe yellow-cress, *Rorippa subumbellata* (C)

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Brewer's sparrow, *Spizella breweri* (SC)

California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Harlequin duck, *Histrionicus histrionicus* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)

river lamprey, *Lampetra ayresi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Lake Tahoe benthic stonefly, *Capnia lacustra* (SC)

Sagehen Creek goracean caddisfly, *Goeracea oregona* (SC)

Shirttail Creek stonefly, *Megaleuctra sierra* (SC)

South Forks ground beetle, *Nebria darlingtoni* (SC)

spiny rhyacophilan caddisfly, *Rhyacophila spinata* (SC)

Plants

Ahart's (dwarf) rush, *Juncus leiospermus* var. *ahartii* (SC)

Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)

Brandegee's clarkia, *Clarkia biloba* ssp. *brandegeae* (SLC)

Butte fritillary, *Fritillaria eastwoodiae* (SC)

Carson Range rock cress, *Arabis rigidissima* var. *demota* (SC)

Donner Pass buckwheat, *Eriogonum umbellatum* var. *torreyanum* (SC)

Plumas ivesia, *Ivesia sericoleuca* (SC)

Red Hills soaproot, *Chlorogalum grandiflorum* (SC)

Stebbins' phacelia, *Phacelia stebbinsii* (SC)

big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)

common moonwort, *Botrychium lunaria* (SC)

felt-leaved (=woolly) violet, *Viola tomentosa* (SLC)

hispid bird's-beak, *Cordylanthus mollis* ssp. *hispidus* (SC)

legenere, *Legenere limosa* (SC)

long-petaled lewisia, *Lewisia longipetala* (SC)

saw-toothed lewisia, *Lewisia serrata* (SC)

stinkbells, *Fritillaria agrestis* (SLC)

PLUMAS COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

Plants

slender Orcutt grass, *Orcuttia tenuis* (T)

Candidate Species

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)

pygmy rabbit, *Brachylagus idahoensis* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Brewer's sparrow, *Spizella breweri* (SC)

California spotted owl, *Strix occidentalis occidentalis* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Swainson's hawk, *Buteo Swainsoni* (CA)

Vaux's swift, *Chaetura vauxi* (SC)

bank swallow, *Riparia riparia* (CA)

black swift, *Cypseloides niger* (SC)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Cascades frog, *Rana cascadae* (SC)
Mount Lyell salamander, *Hydromantes platycephalus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pit roach, *Lavinia symmetricus mitrulus* (SC)

Invertebrates

King's Creek ecclisomyian caddisfly, *Ecclisomyia bilera* (SC)
King's Creek parapsyche caddisfly, *Parapsyche extensa* (SC)
amphibious caddisfly, *Desmona bethula* (SC)
golden-horned caddisfly, *Neothremma genella* (SC)

Plants

Butte County catchfly (=long-stiped campion), *Silene occidentalis ssp. longistipitata* (SC)
Cantelow's lewisia, *Lewisia cantelowii* (SC)
Constance's rock-cress, *Arabis constancei* (SC)
Egg Lake monkeyflower, *Mimulus pygmaeus* (SLC)
Feather River stonecrop, *Sedum albomarginatum* (SC)

Follett's monardella, *Monardella follettii* (SLC)
 Lemmon's clover, *Trifolium lemmonii* (SLC)
 Modoc County knotweed, *Polygonum polygaloides* ssp. *esotericum* (SC)
 Plumas ivesia, *Ivesia sericoleuca* (SC)
 Pulsifer's (=Ames') milk-vetch, *Astragalus pulsiferae* var. *pulsiferae* (SLC)
 Quincy lupine, *Lupinus dalesiae* (SC)
 Sierra Valley ivesia, *Ivesia aperta* var. *aperta* (SC)
 Suksdorf's milk-vetch, *Astragalus pulsiferae* var. *suksdorfii* (SC)
 Webber's ivesia, *Ivesia webberi* (SC)
 Webber's milk-vetch, *Astragalus webberi* (SC)
 Wilkin's harebell, *Campanula wilkinsiana* (SC)
 adobe lily, *Fritillaria pluriflora* (SC)
 closed-lip (closed-throated) beardtongue, *Penstemon personatus* (SC)
 clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
 common moonwort, *Botrychium lunaria* (SC)
 felt-leaved (=woolly) violet, *Viola tomentosa* (SLC)
 lens-pod milk-vetch, *Astragalus lentiformis* (SC)
 milk-vetch, Lemmon's, *Astragalus lemmonii* (SLC)
 tall alpine-aster (= Plumas alpine aster), *Oreostemma elatum* (SLC)

SACRAMENTO COUNTY

Listed Species

Mammals

riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, delta smelt, *Hypomesus transpacificus* (T)

Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T)

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

Critical habitat, valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

delta green ground beetle, *Elaphrus viridis* (T)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Antioch Dunes evening-primrose, *Oenothera deltoides* ssp. *howellii* (E)

Sacramento Orcutt grass, *Orcuttia viscida* (E)

slender Orcutt grass, *Orcuttia tenuis* (T)

soft bird's-beak, *Cordylanthus mollis* ssp. *mollis* (E) *

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Brewer's sparrow, *Spizella breweri* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)

Swainson's hawk, *Buteo Swainsoni* (CA)

bank swallow, *Riparia riparia* (CA)

black rail, *Laterallus jamaicensis coturniculus* (CA)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

greater sandhill crane, *Grus canadensis tabida* (CA)

little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)

long-billed curlew, *Numenius americanus* (SC)

oak titmouse, *Baeolophus inornatus* (SLC)

rufous hummingbird, *Selasphorus rufus* (SC)

short-eared owl, *Asio flammeus* (SC)

tricolored blackbird, *Agelaius tricolor* (SC)

western burrowing owl, *Athene cunicularia hypugaea* (SC)

white-faced ibis, *Plegadis chihi* (SC)

white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)

northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

silvery legless lizard, *Anniella pulchra pulchra* (SC)

southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

- foothill yellow-legged frog, *Rana boylei* (SC)
- western spadefoot toad, *Spea hammondi* (SC)

Fish

- Kern brook lamprey, *Lampetra hubbsi* (SC)
- Pacific lamprey, *Lampetra tridentata* (SC)
- green sturgeon, *Acipenser medirostris* (SC)
- longfin smelt, *Spirinchus thaleichthys* (SC)
- river lamprey, *Lampetra ayresi* (SC)

Invertebrates

- Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
- California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
- Midvalley fairy shrimp, *Branchinecta mesoamericana* (SC)
- Sacramento anthicid beetle, *Anthicus sacramento* (SC)
- San Joaquin dune beetle, *Coelus gracilis* (SC)
- curved-foot hygrotus diving beetle, *Hygrotus curvipes* (SC)

Plants

- Ahart's (dwarf) rush, *Juncus leiospermus* var. *ahartii* (SC)
- Amador (Bisbee Peak) rush-rose, *Helianthemum suffrutescens* (SLC)
- Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)
- Mason's lilaeopsis, *Lilaeopsis masonii* (SC)
- Northern California black walnut, *Juglans californica* var. *hindsii* (SC) *
- Red Bluff (dwarf) rush, *Juncus leiospermus* var. *leiospermus* (SC)
- San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
- Suisun Marsh aster, *Aster lentus* (SC)
- Tuolumne coyote-thistle (=button-celery), *Eryngium pinnatisectum* (SC)
- delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)
- legenere, *Legenere limosa* (SC)
- pincushion navarretia, *Naverretia myersii* spp. *myersii* (SC)
- stinkbells, *Fritillaria agrestis* (SLC)
- valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)

SAN FRANCISCO COUNTY**Listed Species****Mammals**

- Critical Habitat, Steller (=northern) sea-lion, *Eumetopias jubatus* (T) NMFS

Guadalupe fur seal, *Arctocephalus townsendi* (T) NMFS
Steller (=northern) sea-lion, *Eumetopias jubatus* (T) NMFS
blue whale, *Balaenoptera musculus* (E) NMFS
finback (=fin) whale, *Balaenoptera physalus* (E) NMFS
humpback whale, *Megaptera novaeangliae* (E) NMFS
right whale, *Eubalaena glacialis* (E) NMFS
salt marsh harvest mouse, *Reithrodontomys raviventris* (E)
sei whale, *Balaenoptera borealis* (E) NMFS
sperm whale, *Physeter catodon* (=macrocephalus) (E) NMFS

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
California clapper rail, *Rallus longirostris obsoletus* (E)
bald eagle, *Haliaeetus leucocephalus* (T)
short-tailed albatross, *Diomedea albatrus* (E)
western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

green turtle, *Chelonia mydas* (incl. *agassizi*) (T) NMFS
leatherback turtle, *Dermochelys coriacea* (E) NMFS
loggerhead turtle, *Caretta caretta* (T) NMFS
olive (=Pacific) ridley sea turtle, *Lepidochelys olivacea* (T) NMFS

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
delta smelt, *Hypomesus transpacificus* (T) *
tidewater goby, *Eucyclogobius newberryi* (E)
winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

San Bruno elfin butterfly, *Incisalia mossii bayensis* (E)
mission blue butterfly, *Icaricia icarioides missionensis* (E)
white abalone, *Haliotes sorenseni* (E) NMFS

Plants

Marin dwarf-flax (=western flax), *Hesperolinon congestum* (T)
Presidio (=Raven's) manzanita, *Arctostaphylos hookeri* ssp. *ravenii* (E)
Presidio clarkia, *Clarkia franciscana* (E)
San Francisco lessingia, *Lessingia germanorum* (E)
beach layia, *Layia carnosa* (E) *
marsh sandwort, *Arenaria paludicola* (E) *

Candidate Species**Invertebrates**

black abalone, *Haliotes cracherodii* (C) NMFS

Species of Concern**Mammals**

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
gray whale, *Eschrichtius robustus* (D) NMFS
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
salt marsh vagrant shrew, *Sorex vagrans halicoetes* (SC)

Birds

Alameda (South Bay) song sparrow, *Melospiza melodia pusillula* (SC)
Allen's hummingbird, *Selasphorus sasin* (SC)
American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
Harlequin duck, *Histrionicus histrionicus* (SC)
Snowy Egret, *Egretta thula* (MB)
Vaux's swift, *Chaetura vauxi* (SC)
Xantus' murrelet, *Synthliboramphus hypoleucus* (SC)
ashy storm-petrel, *Oceanodroma homochroa* (SC)
bank swallow, *Riparia riparia* (CA)
black rail, *Laterallus jamaicensis coturniculus* (CA)
common loon, *Gavia immer* (SC)
elegant tern, *Sterna elegans* (SC)

ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Opler's longhorn moth, *Adela oplerella* (SC)
Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
bumblebee scarab beetle, *Lichnanthe ursina* (SC)
globose dune beetle, *Coelus globosus* (SC)
sandy beach tiger beetle, *Cicindela hirticollis gravida* (SC)

Plants

California broomrape, *Orobanche californica ssp. californica* (SLC)
California croton, *Croton californicus* (SLC)
California goosefoot, *Chenopodium californicum* (SLC)
California saltbush, *Atriplex californica* (SLC)
California triquetrella moss, *Triquetrella californica* (SLC)
Coast Indian paintbrush, *Castilleja affinis spp. affinis* (SLC)
Davy's clarkia, *Clarkia davyi* (SLC)
Diablo helianthella (=rock-rose), *Helianthella castanea* (SC) *

Franciscan thistle, *Cirsium andrewsii* (SC)
 Greene's popcorn flower, *Plagiobothrys reticulatus* var. *rossianorum* (SC) *
 Kellogg's horkelia, *Horkelia cuneata* ssp. *sericea* (SC) *
 Mission Delores (=San Francisco) campion, *Silene verecunda* ssp. *verecunda* (SC)
 Nuttall's milk-vetch, *Astragalus nuttallii* var. *virgatus* (SLC)
 Pacific cordgrass (=California cordgrass), *Sparina foliosa* (SLC)
 Round-headed Chinese houses, *Collinsia corymbosa* (SC) *
 San Francisco (=bluehead, Chamisso's, dune) gilia, *Gilia capitata* ssp. *chamissonis* (SC)
 San Francisco Bay spineflower, *Chorizanthe cuspidata* var. *cuspidata* (SC)
 San Francisco gumplant, *Grindelia hirsutula* var. *maritima* (SC)
 San Francisco manzanita, *Arctostaphylos hookeri* ssp. *franciscana* (SC) **
 San Francisco owl's-clover, *Triphysaria floribunda* (SC)
 San Francisco popcornflower, *Plagiobothrys diffusus* (CA) *
 San Francisco wallflower, *Erysimum franciscanum* (SC)
 adobe sanicle, *Sanicula maritima* (SC) *
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC) *
 coast (=elegant) rein-orchid (=piperia), *Piperia elegans* (SLC)
 coast lily, *Lilium maritimum* (SC) ?*
 coast rock-cress, *Arabis blepharophylla* (SLC)
 compact cobweb thistle, *Cirsium occidentale* var. *compactum* (SC) *
 curly-leaved (=curlyleaf) monardella, *Monardella undulata* (SC) *
 dune (=camphor) tansy, *Tanacetum camphoratum* (SC)
 fragrant fritillary (=prairie bells), *Fritillaria liliacea* (SC)
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 marsh microseris (=marsh silverpuffs), *Microseris paludosa* (SLC) *
 pink sand-verbena, *Abronia umbellata* ssp. *umbellata* (SLC)
 rose linanthus, *Linanthus rosaceus* (SC) *
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua* ssp. *ambigua* (SLC)
 seashore (=coast, =beach) starwort, *Stellaria littoralis* (SC) *
 skunkweed (=skunkbush), *Navarretia squarrosa* (SLC)
 wedgeleaf horkelia, *Horkelia cuneata* ssp. *cuneata* (SLC) *
 yarrow-leaf (=manyleaf, dark-eyed) gilia, *Gilia millefoliata* (SLC) *

SAN MATEO COUNTY

Listed Species

Mammals

Guadalupe fur seal, *Arctocephalus townsendi* (T) NMFS

Steller (=northern) sea-lion, *Eumetopias jubatus* (T) NMFS
blue whale, *Balaenoptera musculus* (E) NMFS
finback (=fin) whale, *Balaenoptera physalus* (E) NMFS
humpback whale, *Megaptera novaeangliae* (E) NMFS
right whale, *Eubalaena glacialis* (E) NMFS
salt marsh harvest mouse, *Reithrodontomys raviventris* (E)
sei whale, *Balaenoptera borealis* (E) NMFS
southern sea otter, *Enhydra lutris nereis* (T)
sperm whale, *Physeter catodon* (=macrocephalus) (E) NMFS

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
California clapper rail, *Rallus longirostris obsoletus* (E)
California least tern, *Sterna antillarum* (=albifrons) browni (E)
Critical habitat, marbled murrelet, *Brachyramphus marmoratus* (T)
Critical habitat, western snowy plover, *Charadrius alexandrinus nivosus* (T)
bald eagle, *Haliaeetus leucocephalus* (T)
marbled murrelet, *Brachyramphus marmoratus* (T)
short-tailed albatross, *Diomedea albatrus* (E)
western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

San Francisco garter snake, *Thamnophis sirtalis tetrataenia* (E)
green turtle, *Chelonia mydas* (incl. agassizi) (T) NMFS
leatherback turtle, *Dermochelys coriacea* (E) NMFS
loggerhead turtle, *Caretta caretta* (T) NMFS
olive (=Pacific) ridley sea turtle, *Lepidochelys olivacea* (T) NMFS

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
delta smelt, *Hypomesus transpacificus* (T) *

tidewater goby, *Eucyclogobius newberryi* (E)

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Critical habitat, bay checkerspot butterfly, *Euphydryas editha bayensis* (T)

Ohlone tiger beetle, *Cicindela ohlone* (E) *

San Bruno elfin butterfly, *Incisalia mossii bayensis* (E)

bay checkerspot butterfly, *Euphydryas editha bayensis* (T)

callippe silverspot butterfly, *Speyeria callippe callippe* (E)

mission blue butterfly, *Icaricia icarioides missionensis* (E)

white abalone, *Haliotes sorenseni* (E) NMFS

Plants

Hickman's potentilla (=cinquefoil), *Potentilla hickmanii* (E)

Marin dwarf-flax (=western flax), *Hesperolinon congestum* (T)

San Francisco lessingia, *Lessingia germanorum* (E)

San Mateo thornmint, *Acanthomintha duttonii* (E)

San Mateo woolly sunflower, *Eriophyllum latilobum* (E)

Santa Cruz cypress, *Cupressus abramsiana* (E)

fountain thistle, *Cirsium fontinale* var. *fontinale* (E)

robust spineflower, *Chorizanthe robusta* var. *robusta* (E) *

white-rayed pentachaeta, *Pentachaeta bellidiflora* (E)

Candidate Species

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Invertebrates

black abalone, *Haliotes cracherodii* (C) NMFS

Species of Concern

Mammals

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

gray whale, *Eschrichtius robustus* (D) NMFS

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
salt marsh vagrant shrew, *Sorex vagrans halicoetes* (SC)

Birds

Alameda (South Bay) song sparrow, *Melospiza melodia pusillula* (SC)
Allen's hummingbird, *Selasphorus sasin* (SC)
American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Harlequin duck, *Histrionicus histrionicus* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Snowy Egret, *Egretta thula* (MB)
Vaux's swift, *Chaetura vauxi* (SC)
Xantus' murrelet, *Synthliboramphus hypoleucus* (SC)
ashy storm-petrel, *Oceanodroma homochroa* (SC)
bank swallow, *Riparia riparia* (CA)
black rail, *Laterallus jamaicensis coturniculus* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
elegant tern, *Sterna elegans* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

- California horned lizard, *Phrynosoma coronatum frontale* (SC)
- northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
- southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

- foothill yellow-legged frog, *Rana boylei* (SC)

Fish

- Pacific lamprey, *Lampetra tridentata* (SC)
- green sturgeon, *Acipenser medirostris* (SC)
- longfin smelt, *Spirinchus thaleichthys* (SC)
- river lamprey, *Lampetra ayresi* (SC)

Invertebrates

- Edgewood blind harvestman, *Calicina minor* (SC)
- Edgewood microblind harvestman, *Microcina edgewoodensis* (SC)
- Leech's skyline diving beetle, *Hydroporus leechi* (SC)
- Marin elfin butterfly, *Incisalia mossii marinensis* (SC)
- Opler's longhorn moth, *Adela oplerella* (SC)
- Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
- bumblebee scarab beetle, *Lichnanthe ursina* (SC)
- globose dune beetle, *Coelus globosus* (SC)
- sandy beach tiger beetle, *Cicindela hirticollis grvida* (SC)
- unsilvered fritillary butterfly, *Speyeria adaste adaste* (SC)

Plants

- California goosefoot, *Chenopodium californicum* (SLC)
- California saltbush, *Atriplex californica* (SLC)
- Choris's (=artist's) popcorn-flower, *Plagiobothrys chorisianus var chorisianus* (SLC)
- Coast Indian paintbrush, *Castilleja affinis spp. affinis* (SLC)
- Crystal Springs lessingia, *Lessingia arachnoidea* (SC)
- Davy's clarkia, *Clarkia davyi* (SLC)
- Diablo helianthella (=rock-rose), *Helianthella castanea* (SC)
- Dudley's lousewort, *Pedicularis dudleyi* (SC)
- Franciscan onion, *Allium peninsulare var. franciscanum* (SLC)
- Franciscan thistle, *Cirsium andrewsii* (SC) *
- Gairdner's yampah, *Perideridia gairdneri ssp. gairdneri* (SC) *
- Hillsborough chocolate lily (= Gray's fritillary), *Fritillaria biflora var ineziana (=F. grayana)* (SC)
- Kellogg's horkelia, *Horkelia cuneata ssp. sericea* (SC)
- Kings Mountain manzanita, *Arctostaphylos regismontana* (SLC)

Marin checkermallow (=checkerbloom), *Sidalcea hickmanii* ssp. *viridis* (SLC)
 Mission Delores (=San Francisco) campion, *Silene verecunda* ssp. *verecunda* (SC)
 Montara manzanita, *Arctostaphylos montaraensis* (SC)
 Nuttall's milk-vetch, *Astragalus nuttallii* var. *virgatus* (SLC)
 Pacific cordgrass (=California cordgrass), *Spartina foliosa* (SLC)
 Point Reyes horkelia, *Horkelia marinensis* (SC)
 Point Reyes meadowfoam, *Limnanthes douglasii* ssp. *sulphurea* (CA)
 San Bruno Mountain manzanita, *Arctostaphylos imbricata* (CA)
 San Francisco Bay spineflower, *Chorizanthe cuspidata* var. *cuspidata* (SC)
 San Francisco gumplant, *Grindelia hirsutula* var. *maritima* (SC)
 San Francisco owl's-clover, *Triphysaria floribunda* (SC)
 San Francisco wallflower, *Erysimum franciscanum* (SC)
 San Mateo tree lupine, *Lupinus arboreus* var. *eximius* (SLC)
 Santa Cruz manzanita, *Arctostaphylos andersonii* (SLC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)
 arcuate bush mallow, *Malacothamnus arcutatus* (=M. *fasciculat*) (SLC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
 coast lily, *Lilium maritimum* (SC) *
 coast rock-cress, *Arabis blepharophylla* (SLC)
 coast wallflower, *Erysimum ammophilum* (SC)
 curly-leaved (=curlyleaf) monardella, *Monardella undulata* (SC) *
 dune (=camphor) tansy, *Tanacetum camphoratum* (SC)
 fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 legenere, *Legenere limosa* (SC)
 marsh microseris (=marsh silverpuffs), *Microseris paludosa* (SLC) *
 marsh milkvetch (=brine milk-vetch, =marsh locoweed), *Astragalus pycnostachyus* var. *pycnostachyus* (SLC)
 northcoast (=Point Reyes) bird's-beak, *Cordylanthus maritimus* ssp. *palustris* (SC) *
 perennial goldfields, *Lasthenia macrantha* ssp. *macrantha* (SLC)
 pine rose, *Rosa pinetorum* (SLC)
 pink sand-verbena, *Abronia umbellata* ssp. *umbellata* (SLC)
 purple-stemmed (=dwarf) checkerbloom, *Sidalcea malvaeflora* ssp. *purpurea* (SLC)
 robust monardella (=robust coyote mint), *Monardella villosa* ssp. *globosa* (SLC)
 rose linanthus, *Linanthus rosaceus* (SC)
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua* ssp. *ambigua* (SLC)
 stinkbells, *Fritillaria agrestis* (SLC) *

water sack (=saline) clover, *Trifolium depauperatum* var. *hydrophilum* (SC)
 western leatherwood, *Dirca occidentalis* (SLC)

SANTA CLARA COUNTY

Listed Species

Mammals

San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *
 salt marsh harvest mouse, *Reithrodontomys raviventris* (E)

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
 California clapper rail, *Rallus longirostris obsoletus* (E)
 California least tern, *Sterna antillarum* (=albifrons) *browni* (E)
 Least Bell's vireo, *Vireo bellii pusillus* (E)
 bald eagle, *Haliaeetus leucocephalus* (T)
 marbled murrelet, *Brachyramphus marmoratus* (T)
 western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)
 Critical habitat, Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)
 San Francisco garter snake, *Thamnophis sirtalis tetrataenia* (E)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, South Central California steelhead, *Oncorhynchus mykiss* (T) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 South Central California steelhead, *Oncorhynchus mykiss* (T) NMFS
 coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
 delta smelt, *Hypomesus transpacificus* (T) *
 tidewater goby, *Eucyclogobius newberryi* (E)
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Critical habitat, bay checkerspot butterfly, *Euphydryas editha bayensis* (T)
bay checkerspot butterfly, *Euphydryas editha bayensis* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)

Plants

California sea blite, *Suaeda californica* (E) *
Contra Costa goldfields, *Lasthenia conjugens* (E) *
Coyote ceanothus, *Ceanothus ferrisae* (E)
Metcalf Canyon jewelflower, *Streptanthus albidus* ssp. *albidus* (E)
Santa Clara Valley dudleya, *Dudleya setchellii* (E)
Tiburon paintbrush, *Castilleja affinis* ssp. *neglecta* (E)
robust spineflower, *Chorizanthe robusta* var. *robusta* (E) *
showy Indian clover, *Trifolium amoenum* (E) *

Proposed Species**Birds**

mountain plover, *Charadrius montanus* (PT)

Candidate Species**Amphibians**

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS
Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern**Mammals**

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
salt marsh vagrant shrew, *Sorex vagrans halicoetes* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Alameda (South Bay) song sparrow, *Melospiza melodia pusillula* (SC)
Allen's hummingbird, *Selasphorus sasin* (SC)

American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Costa's hummingbird, *Calypte costae* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Snowy Egret, *Egretta thula* (MB)
Vaux's swift, *Chaetura vauxi* (SC)
black rail, *Laterallus jamaicensis coturniculus* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

green sturgeon, *Acipenser medirostris* (SC)

longfin smelt, *Spirinchus thaleichthys* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
 Edgewood blind harvestman, *Calicina minor* (SC)
 Hom's microblind harvestman, *Microcina homi* (SC)
 Jung's microblind harvestman, *Microcina juni* (SC)
 Opler's longhorn moth, *Adela oplerella* (SC)
 Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
 unsilvered fritillary butterfly, *Speyeria adiastrum adiastrum* (SC)

Plants

Ben Lomond buckwheat (= naked buckwheat), *Eriogonum nudum* var. *decurrens* (SC)
 Brandegee's woolly-star (=eriastrum), *Eriastrum brandegeae* (SC)
 Congdon's tarplant, *Hemizonia parryi* ssp. *congdonii* (SC)
 Franciscan onion, *Allium peninsulare* var. *franciscanum* (SLC)
 Gairdner's yampah, *Perideridia gairdneri* ssp. *gairdneri* (SC)
 Greene's popcorn flower, *Plagiobothrys reticulatus* var. *rossianorum* (SC) *
 Hall's bush mallow, *Malacothamnus hallii* (=M. *fasciculatus*) (SLC)
 Hoover's button-celery, *Eryngium aristulatum* var. *hooveri* (SC) *
 Kings Mountain manzanita, *Arctostaphylos regismontana* (SLC)
 Loma Prieta hoita, *Hoita strobilina* (SC)
 Mt. Diablo phacelia, *Phacelia phacelioides* (SC)
 Mt. Hamilton (=Sharesmith's) harebell, *Campanula sharsmithiae* (SC)
 Mt. Hamilton coreopsis, *Coreopsis hamiltonii* (SC)
 Mt. Hamilton jewelflower, *Streptanthus callistus* (SLC)
 Mt. Hamilton lomatium, *Lomatium observatorium* (SLC)
 Mt. Hamilton thistle, *Cirsium fontinale* var. *campylon* (SC)
 Oregon meconella (=white fairypoppy), *Meconella oregana* (SC)
 Pacific cordgrass (=California cordgrass), *Spartina foliosa* (SLC)
 Salinas Valley (=hooked) popcornflower, *Plagiobothrys uncinatus* (SC)
 San Francisco Bay spineflower, *Chorizanthe cuspidata* var. *cuspidata* (SC)
 San Francisco wallflower, *Erysimum franciscanum* (SC)
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC) *
 Santa Cruz Mts. beardtongue, *Penstemon rattanii* var. *kleei* (SLC)
 Santa Cruz manzanita, *Arctostaphylos andersonii* (SLC)
 Sharsmith's onion, *Allium sharsmithae* (SC)
 South Bay clarkia (=Santa Clara red ribbons), *Clarkia concinna* ssp. *automixa* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC)

alkali milk-vetch, *Astragalus tener* var. *tener* (SC) *

arcuate bush mallow, *Malacothamnus arcutatus* (=M. *fasciculat*) (SLC)

big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)

caper-fruited tropidocarpum, *Tropidocarpum capparideum* (SC) **

chaparral harebell (=bellflower), *Campanula exigua* (SLC)

clustered lady's-slipper, *Cypripedium fasciculatum* (SC)

curly-leaved (=curlyleaf) monardella, *Monardella undulata* (SC) *

delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC) *

fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)

hairless allocarya (=popcornflower), *Plagiobothrys glaber* (SC) **

interior California (Hospital Canyon) larkspur, *Delphinium californicum* ssp. *interius* (SC)

large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)

maple-leaved checkerbloom, *Sidalcea malachroides* (SLC)

most beautiful (uncommon) jewelflower, *Streptanthus albidus* ssp. *peramoenus* (SC)

northcoast (=Point Reyes) bird's-beak, *Cordylanthus maritimus* ssp. *palustris* (SC) *

rock sanicle, *Sanicula saxatilis* (SC)

serpentine bedstraw, *Galium andrewsii* ssp. *gatense* (SLC)

smooth lessingia, *Lessingia micradenia* var. *glabrata* (SC)

talus fritillary, *Fritillaria falcata* (SC)

water sack (=saline) clover, *Trifolium depauperatum* var. *hydrophilum* (SC)

western leatherwood, *Dirca occidentalis* (SLC)

SHASTA COUNTY

Listed Species

Birds

Critical habitat, northern spotted owl, *Strix occidentalis caurina* (T)

bald eagle, *Haliaeetus leucocephalus* (T)

northern spotted owl, *Strix occidentalis caurina* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T)

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Shasta crayfish, *Pacifastacus fortis* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E)

slender Orcutt grass, *Orcuttia tenuis* (T)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

California wolverine, *Gulo gulo luteus* (CA)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

pygmy rabbit, *Brachylagus idahoensis* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Snowy Egret, *Egretta thula* (MB)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Cascades frog, *Rana cascadae* (SC)
Shasta salamander, *Hydromantes shastae* (CA)
foothill yellow-legged frog, *Rana boylei* (SC)
tailed frog, *Ascaphus truei* (SC)

western spadefoot toad, *Spea hammondi* (SC)

Fish

McCloud River redband trout, *Oncorhynchus* (=Salmo) *mykiss* ssp. (SC)

Pit roach, *Lavinia symmetricus mitrulus* (SC)

green sturgeon, *Acipenser medirostris* (SC)

longfin smelt, *Spirinchus thaleichthys* (SC)

river lamprey, *Lampetra ayresi* (SC)

rough sculpin, *Cottus asperimus* (CA)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Castle Crags rhyacophilan caddisfly, *Rhyacophila lineata* (SC)

King's Creek ecclisomyian caddisfly, *Ecclisomyia bilera* (SC)

King's Creek parapsyche caddisfly, *Parapsyche extensa* (SC)

Sacramento anthicid beetle, *Anthicus sacramento* (SC)

Shasta sideband snail, *Monadenia troglodytes* (SC)

Siskiyou ground beetle, *Nebria gebleri siskiyouensis* (SC)

Trinity (=California) bristlesnail, *Monadenia setosa* (CA)

Trinity Alps ground beetle, *Nebria sahlbergii triad* (SC)

bilobed rhyacophilan caddisfly, *Rhyacophila mosana* (SC)

confusion caddisfly, *Cryptochia shasta* (SC)

Plants

Ahart's whitlow-wort (=Ahart's paronychia), *Paronychia ahartii* (SC)

Baker's globe mallow (=Baker's wild hollyhock), *Lilium bakeri* (SLC)

Bellinger's meadowfoam, *Limnanthes floccosa* ssp. *bellingeriana* (SC)

Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)

Butte County catchfly (=long-stiped campion), *Silene occidentalis* ssp. *longistipitata* (SC)

Butte County morning-glory, *Calystegia atriplicifolia* ssp. *buttensis* (SC)

Butte fritillary, *Fritillaria eastwoodiae* (SC)

Callahan's mariposa lily, *Calochortus syntrophus* (SC)

Cantelow's lewisia, *Lewisia cantelowii* (SC)

Canyon Creek stonecrop, *Sedum paradisum* (SC)

Dubakella Mountain buckwheat, *Eriogonum libertini* (SLC)

Henderson's bent grass, *Agrostis hendersonii* (SC)

Howell's alkali grass, *Puccinellia howellii* (SC)

Howell's lewisia, *Lewisia cotyledon* var. *howellii* (SC)

Howell's thelypodium, *Thelypodium howellii* ssp. *howellii* (SLC)

Klamath manzanita, *Arctostaphylos klamathensis* (SC)
 Mt. Lassen (=Lassen Peak) smelowskia, *Smelowskia ovalis* ssp. *congesta* (SC)
 Oregon fireweed, *Epilobium oreganum* (SC)
 Pit River jewelflower, *Streptanthus* sp. nov. /ined. (Shasta Co.) (SC)
 Red Mountain catchfly (=campion), *Silene campanulata* ssp. *campanulata* (CA)
 Salmon Mountains wakerobin, *Trillium ovatum* ssp. *oettingeri* (SLC)
 Shasta snow wreath, *Neviusia cliftonii* (SC)
 Stebbins's madia (=Stebbins's harmonia), *Madia stebbinsii* (=Harmonia *stebbinsii*) (SC)
 Suksdorf's milk-vetch, *Astragalus pulsiferae* var. *suksdorfii* (SC)
 The Lassics sandwort, *Minuartia decumbens* (SC)
 Trinity (Scott Mountain) phacelia, *Phacelia dalesiana* (SC)
 Wilkin's harebell, *Campanula wilkinsiana* (SC)
 arid northern clarkia, *Clarkia borealis* ssp. *arida* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
 legenere, *Legenere limosa* (SC)
 long-haired star-tulip, *Calochortus longebarbatus* var. *longebarbatus* (SC)
 propuse-flowering (=Devil's Garden) pogogyne, *Pogogyne floribunda* (SC)
 silky cryptantha, *Cryptantha crinita* (SC)
 thread-leaved penstemon (=beardtongue), *Penstemon filiformis* (SLC)
 valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)

SIERRA COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Lahontan cutthroat trout, *Oncorhynchus* (=Salmo) *clarki henshawi* (T)

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T)

Candidate Species

Plants

slender Moonwort (= narrowleaf grapefern), *Botrychium lineare* (C) *

Species of Concern**Mammals**

American (=pine) marten, *Martes americana* (SC)
California wolverine, *Gulo gulo luteus* (CA)
Pacific fisher, *Martes pennanti pacifica* (SC)
Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
greater western mastiff-bat, *Eumops perotis californicus* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

American bittern, *Botaurus lentiginosus* (SC)
American dipper, *Cinclus mexicanus* (SLC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Brewer's sparrow, *Spizella breweri* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
sage grouse, *Centrocercus urophasianus* (SC)

short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

northern sagebrush lizard, *Sceloporus graciosus graciosus* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Mount Lyell salamander, *Hydromantes platycephalus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Invertebrates

Cold Spring caddisfly, *Lepidostoma ermanae* (SC)
Sagehen Creek goracean caddisfly, *Goeracea oregona* (SC)
amphibious caddisfly, *Desmona bethula* (SC)
long-tailed caddisfly, *Farula praelonga* (SC)
spiny rhyacophilan caddisfly, *Rhyacophila spinata* (SC)

Plants

Cantelow's lewisia, *Lewisia cantelowii* (SC)
Constance's rock-cress, *Arabis constancei* (SC)
Dog Valley ivesia, *Ivesia aperta* var. *canina* (SC)
Donner Pass buckwheat, *Eriogonum umbellatum* var. *torreyanum* (SC)
Lemmon's clover, *Trifolium lemmonii* (SLC)
Modoc County knotweed, *Polygonum polygaloides* ssp. *esotericum* (SC)
Plumas ivesia, *Ivesia sericoleuca* (SC)
Pulsifer's (=Ames') milk-vetch, *Astragalus pulsiferae* var. *pulsiferae* (SLC)
Quincy lupine, *Lupinus dalesiae* (SC)
Sierra Valley ivesia, *Ivesia aperta* var. *aperta* (SC)
Webber's ivesia, *Ivesia webberi* (SC)
Webber's milk-vetch, *Astragalus webberi* (SC)
closed-lip (closed-throated) beardtongue, *Penstemon personatus* (SC)
clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
common moonwort, *Botrychium lunaria* (SC)
felt-leaved (=woolly) violet, *Viola tomentosa* (SLC)
milk-vetch, Lemmon's, *Astragalus lemmonii* (SLC)

SOLANO COUNTY**Listed Species****Mammals**

riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *

riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *

salt marsh harvest mouse, *Reithrodontomys raviventris* (E)

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)

California clapper rail, *Rallus longirostris obsoletus* (E)

California least tern, *Sterna antillarum* (=albifrons) *browni* (E)

bald eagle, *Haliaeetus leucocephalus* (T)

western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

Alameda whipsnake, *Masticophis lateralis euryxanthus* (T)

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, delta smelt, *Hypomesus transpacificus* (T)

Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS

delta smelt, *Hypomesus transpacificus* (T)

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

Critical habitat, delta green ground beetle, *Elaphrus viridis* (T)

callippe silverspot butterfly, *Speyeria callippe callippe* (E)

delta green ground beetle, *Elaphrus viridis* (T)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)
 vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Colusa grass, *Neostapfia colusana* (T)
 Contra Costa goldfields, *Lasthenia conjugens* (E)
 Solano grass (=Crampton's tuctoria), *Tuctoria mucronata* (E)
 Suisun thistle, *Cirsium hydrophilum* var. *hydrophilum* (E)
 showy Indian clover, *Trifolium amoenum* (E) *
 soft bird's-beak, *Cordylanthus mollis* ssp. *mollis* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS
 Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)
 San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)
 San Joaquin pocket mouse, *Perognathus inornatus* (SC)
 Suisun ornate shrew, *Sorex ornatus sinuosus* (SC)
 Yuma myotis bat, *Myotis yumanensis* (SC)
 fringed myotis bat, *Myotis thysanodes* (SC)
 greater western mastiff-bat, *Eumops perotis californicus* (SC)
 long-eared myotis bat, *Myotis evotis* (SC)
 long-legged myotis bat, *Myotis volans* (SC)
 small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
 Allen's hummingbird, *Selasphorus sasin* (SC)
 American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)
California thrasher, *Toxostoma redivivum* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
San Pablo song sparrow, *Melospiza melodia samuelis* (SC)
Snowy Egret, *Egretta thula* (MB)
Suisun song sparrow, *Melospiza melodia maxillaris* (SC)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black rail, *Laterallus jamaicensis coturniculus* (CA)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
silvery legless lizard, *Anniella pulchra pulchra* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)

longfin smelt, *Spirinchus thaleichthys* (SC)

river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Midvalley fairy shrimp, *Branchinecta mesoavallensis* (SC)

Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)

Sacramento anthicid beetle, *Anthicus sacramento* (SC)

San Francisco lacewing, *Nothochrysa californica* (SC)

San Joaquin dune beetle, *Coelus gracilis* (SC)

Plants

Baker's narvarretia, *Navarretia leucocephala* ssp. *bakeri* (SC)

Big plant, *Blepharizonia plumosa* ssp. *plumosa* (SC) *

Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)

Brewer's dwarf-flax (=western flax), *Hesperolinon breweri* (SC)

Carquinez goldenbush, *Isocoma arguta* (SC)

Congdon's tarplant, *Hemizonia parryi* ssp. *congdonii* (SC) *

Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC) *

Gairdner's yampah, *Perideridia gairdneri* ssp. *gairdneri* (SC)

Heckard's pepper-grass (Heckard's pepperweed), *Lepidium latipes* var. *heckardii* (SLC)

Marin knotweed, *Polygonum marinense* (SLC)

Mason's lilaeopsis, *Lilaeopsis masonii* (SC)

Northern California black walnut, *Juglans californica* var. *hindsii* (SC) *

Pacific cordgrass (=California cordgrass), *Spartina foliosa* (SLC)

San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)

Suisun Marsh aster, *Aster lentus* (SC)

adobe lily, *Fritillaria pluriflora* (SC)

alkali milk-vetch, *Astragalus tener* var. *tener* (SC)

bearded allocarya (popcorn-flower), *Plagiobothrys hystericulus* (SC) **

big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)

brittlescale, *Atriplex depressa* (SC)

delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)

fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)

heartscale, *Atriplex cordulata* (SC)

hispid bird's-beak, *Cordylanthus mollis* ssp. *hispidus* (SC)

holly-leaved ceanothus, *Ceanothus purpureus* (SLC)

legenere, *Legenere limosa* (SC)

little mouselike, *Myosurus minimus ssp. apus* (SC)
recurved larkspur, *Delphinium recurvatum* (SC)
salt marsh owl's clover (=johnny-nip), *Castilleja ambigua ssp. ambigua* (SLC)
vernal pool (=persistent-fruited, Sacramento) saltbush (=smallscale, saltscale), *Atriplex persistens* (SC)
water sack (=saline) clover, *Trifolium depauperatum var. hydrophilum* (SC)

SONOMA COUNTY

Listed Species

Mammals

Guadalupe fur seal, *Arctocephalus townsendi* (T) NMFS
Steller (=northern) sea-lion, *Eumetopias jubatus* (T) NMFS
blue whale, *Balaenoptera musculus* (E) NMFS
finback (=fin) whale, *Balaenoptera physalus* (E) NMFS
humpback whale, *Megaptera novaeangliae* (E) NMFS
right whale, *Eubalaena glacialis* (E) NMFS
salt marsh harvest mouse, *Reithrodontomys raviventris* (E)
sei whale, *Balaenoptera borealis* (E) NMFS
sperm whale, *Physeter catodon* (=macrocephalus) (E) NMFS

Birds

California brown pelican, *Pelecanus occidentalis californicus* (E)
California clapper rail, *Rallus longirostris obsoletus* (E)
Critical habitat, marbled murrelet, *Brachyramphus marmoratus* (T)
Critical habitat, western snowy plover, *Charadrius alexandrinus nivosus* (T)
bald eagle, *Haliaeetus leucocephalus* (T)
marbled murrelet, *Brachyramphus marmoratus* (T)
northern spotted owl, *Strix occidentalis caurina* (T)
short-tailed albatross, *Diomedea albatrus* (E)
western snowy plover, *Charadrius alexandrinus nivosus* (T)

Reptiles

green turtle, *Chelonia mydas* (incl. *agassizi*) (T) NMFS
leatherback turtle, *Dermochelys coriacea* (E) NMFS
loggerhead turtle, *Caretta caretta* (T) NMFS
olive (=Pacific) ridley sea turtle, *Lepidochelys olivacea* (T) NMFS

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

California coastal chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Central California Coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, California coastal chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central California coastal steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
 Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
 Northern California steelhead, *Oncorhynchus mykiss* (T) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 coho salmon - central CA coast, *Oncorhynchus kisutch* (T) NMFS
 delta smelt, *Hypomesus transpacificus* (T) *
 tidewater goby, *Eucyclogobius newberryi* (E)
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Behren's silverspot butterfly, *Speyeria zerene behrensii* (E)
 California freshwater shrimp, *Syncaris pacifica* (E)
 Myrtle's silverspot butterfly, *Speyeria zerene myrtleae* (E)
 white abalone, *Haliotis sorenseni* (E) NMFS

Plants

Baker's larkspur, *Delphinium bakeri* (E) *
 Baker's stickyseed, *Blennosperma bakeri* (E)
 Burke's goldfields, *Lasthenia burkei* (E)
 Clara Hunt's milk-vetch, *Astragalus clarianus* (E)
 Hickman's potentilla (=cinquefoil), *Potentilla hickmanii* (E) *
 Kenwood Marsh checkermallow (=checkerbloom), *Sidalcea oregana ssp. valida* (E)
 Loch Lomond coyote-thistle (=button-celery), *Eryngium constancei* (E)
 Pennell's bird's-beak, *Cordylanthus tenuis ssp. capillaris* (E)
 Pitkin Marsh lily, *Lilium pardalinum ssp. pitkinense* (E)
 Sebastopol meadowfoam, *Limnanthes vinculans* (E)
 Sonoma alopecurus, *Alopecurus aequalis var. sonomensis* (E)
 Sonoma spineflower, *Chorizanthe valida* (E) *
 Vine Hill clarkia, *Clarkia imbricata* (E)
 clover lupine [Tidestrom's lupine], *Lupinus tidestromii* (E)
 many-flowered navarretia, *Navarretia leucocephala ssp. plieantha* (E)
 showy Indian clover, *Trifolium amoenum* (E) *

soft bird's-beak, *Cordylanthus mollis ssp. mollis* (E) *

white sedge, *Carex albida* (E)

yellow larkspur, *Delphinium luteum* (E)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Invertebrates

black abalone, *Haliotes cracherodii* (C) NMFS

Species of Concern

Mammals

California red tree vole, *Arborimus pomo* (SC)

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

Suisun ornate shrew, *Sorex ornatus sinuosus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

gray whale, *Eschrichtius robustus* (D) NMFS

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

Allen's hummingbird, *Selasphorus sasin* (SC)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Harlequin duck, *Histrionicus histrionicus* (SC)

San Pablo song sparrow, *Melospiza melodia samuelis* (SC)

Snowy Egret, *Egretta thula* (MB)

Vaux's swift, *Chaetura vauxi* (SC)

Xantus' murrelet, *Synthliboramphus hypoleucus* (SC)

ashy storm-petrel, *Oceanodroma homochroa* (SC)
bank swallow, *Riparia riparia* (CA)
black rail, *Laterallus jamaicensis coturniculus* (CA)
black swift, *Cypseloides niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
saltmarsh common yellowthroat, *Geothlypis trichas sinuosa* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

Northern red-legged frog, *Rana aurora aurora* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Gualala roach, *Lavinia symmetricus parvipinnis* (SC)
Pacific lamprey, *Lampetra tridentata* (SC)
Russian River tule perch, *Hysterocarpus traski pomo* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Leech's skyline diving beetle, *Hydroporus leechi* (SC)
Ricksecker's water scavenger beetle, *Hydrochara rickseckeri* (SC)
Sonoma arctic skipper, *Carterocephalus palaemon ssp.* (SC)
brownish dubiraphian riffle beetle, *Dubiraphia brunnescens* (SC)

bumblebee scarab beetle, *Lichnanthe ursina* (SC)
 globose dune beetle, *Coelus globosus* (SC)
 sandy beach tiger beetle, *Cicindela hirticollis gravida* (SC)

Plants

Baker's goldfields, *Lasthenia macrantha ssp bakeri* (SLC) *
 Baker's manzanita, *Arctostaphylos bakeri ssp. bakeri* (SC)
 Baker's narvarretia, *Navarretia leucocephala ssp. bakeri* (SC)
 Blasdale's bentgrass, *Agrostis blasdalei var. blasdalei* (SC)
 Bolander's reed grass, *Calamagrostis bolanderi* (SLC)
 California beaked-rush, *Rhynchospora californica* (SC)
 California saltbush, *Atriplex californica* (SLC)
 Calistoga ceanothus, *Ceanothus divergens* (SC)
 Colusa layia (=Colusa tidytips), *Layia septentrionalis* (SLC)
 Contact (Socrates) Mine jewelflower, *Streptanthus brachiatus ssp. brachiatus* (SC)
 Crystal Springs lessingia, *Lessingia arachnoidea* (SC)
 Davy's clarkia, *Clarkia davyi* (SLC)
 Dorr's Cabin jewelflower, *Streptanthus morrisonii ssp. hirtiflorus* (SC)
 Franciscan onion, *Allium peninsulare var. franciscanum* (SLC)
 Franciscan thistle, *Cirsium andrewsii* (SC) *
 Freed's jewelflower, *Streptanthus brachiatus ssp. hoffmanii* (SC)
 Gairdner's yampah, *Perideridia gairdneri ssp. gairdneri* (SC)
 Jepson's linanthus, *Linanthus jepsonii* (SLC)
 Kruckeberg's jewelflower, *Streptanthus morrisonii ssp. kruckebergii* (SC)
 Marin checkermallow (=checkerbloom), *Sidalcea hickmanii ssp. viridis* (SLC)
 Marin knotweed, *Polygonum marinense* (SLC)
 Mendocino (=pygmy) cypress, *Cupressus goveniana ssp. pigmaea* (SC)
 Morrison's jewelflower, *Streptanthus morrisonii ssp. morrisonii* (SC)
 Mt. Saint Helena morning-glory, *Calystegia collina ssp. oxyphylla* (SLC)
 Napa false indigo, *Amorpha californica var. napensis* (SLC)
 North Coast sand-verbena, *Abronia umbellata ssp. breviflora* (SC)
 Nuttall's milk-vetch, *Astragalus nuttallii var. virgatus* (SLC)
 Pacific cordgrass (=California cordgrass), *Sparina foliosa* (SLC)
 Petaluma popcornflower, *Plagiobothrys mollis var. vestitus* (SC) **
 Point Reyes checkerbloom, *Sidalcea calycosa ssp rhizomata* (SLC)
 Rincon Ridge ceanothus, *Ceanothus confusus* (SC)
 Rincon manzanita, *Arctostaphylos stanfordiana ssp. decumbens* (SC)
 Round-headed Chinese houses, *Collinsia corymbosa* (SC)

San Francisco (=bluehead, Chamisso's, dune) gilia, *Gilia capitata* ssp. *chamissonis* (SC)
 San Francisco Bay spineflower, *Chorizanthe cuspidata* var. *cuspidata* (SC)
 San Francisco wallflower, *Erysimum franciscanum* (SC)
 San Mateo tree lupine, *Lupinus arboreus* var. *eximius* (SLC)
 Santa Cruz clover, *Trifolium buckwestiorum* (SC)
 Snow Mountain buckwheat, *Eriogonum nervulosum* (SC)
 Sonoma ceanothus, *Ceanothus sonomensis* (SC)
 Sonoma manzanita, *Arctostaphylos canescens* ssp. *sonomensis* (SLC)
 St. Helena fawn lily, *Erythronium helenae* (SLC)
 The Cedars globe-lily (=fairy-lantern), *Calochortus raichei* (SC)
 The Cedars manzanita, *Arctostaphylos bakeri* ssp. *sublaevis* (SLC)
 Three Peaks jewelflower, *Streptanthus morrisonii* ssp. *elatus* (SC)
 Thurber's reed grass, *Calamagrostis crassiglumis* (SC)
 Tiburon buckwheat, *Eriogonum caninum* (SLC) *
 Tiburon tarplant, *Hemizonia multicaulis* ssp. *vernalis* (SC)
 Vine Hill ceanothus, *Ceanothus foliosus* var. *vineatus* (SC)
 Vine Hill manzanita, *Arctostaphylos densiflora* (SC)
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC) *
 beaked tracyina, *Tracyina rostrata* (SC)
 bent-flowered fiddleneck, *Amsinckia lunaris* (SLC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)
 coast lily, *Lilium maritimum* (SC)
 coast rock-cress, *Arabis blepharophylla* (SLC)
 coastal bluff morning-glory, *Calystegia purpurata* ssp. *saxicola* (SLC)
 curly-leaved (=curlyleaf) monardella, *Monardella undulata* (SC) *
 deceiving (=salt) sedge, *Carex saliniformis* (=Carex *hassei*) (SLC)
 dwarf soaproot (=wavyleaf soap plant), *Chlorogalum pomeridianum* var. *minus* (SLC)
 fragrant fritillary (= prairie bells), *Fritillaria liliacea* (SC)
 holly-leaved ceanothus, *Ceanothus purpureus* (SLC)
 large-flowered (=flower) linanthus, *Linanthus grandiflorus* (SC)
 legenere, *Legenere limosa* (SC) *
 maple-leaved checkerbloom, *Sidalcea malachroides* (SLC)
 marsh microseris (=marsh silverpuffs), *Microseris paludosa* (SLC)
 narrow-anthered California brodiaea, *Brodiaea californica* var. *leptandra* (SLC)
 narrow-leaved daisy (=serpentine fleabane), *Erigeron angustatus* (SLC)
 northcoast (=Point Reyes) bird's-beak, *Cordylanthus maritimus* ssp. *palustris* (SC)
 northcoast semaphore grass, *Pleuropogon hooverianus* (SC)

perennial goldfields, *Lasthenia macrantha ssp macrantha* (SLC)
 pink sand-verbena, *Abronia umbellata ssp. umbellata* (SLC)
 purple-stemmed (=dwarf) checkerbloom, *Sidalcea malvaeflora ssp purpurea* (SLC)
 robust monardella (=robust coyote mint), *Monardella villosa ssp globosa* (SLC)
 rose linanthus, *Linanthus rosaceus* (SC) *
 salt marsh owl's clover (=johnny-nip), *Castilleja ambigua ssp. ambigua* (SLC)
 seashore (=coast, =beach) starwort, *Stellaria littoralis* (SC)
 seaside tarplant, *Hemizonia multicaulis ssp. multicaulis* (SC)
 secund jewelflower, *Streptanthus glandulosus var. hoffmanii* (SC)
 serpentine (=Cleveland's) cryptantha, *Cryptantha clevelandii* (SLC)
 supple daisy, *Erigeron supplex* (SC)
 swamp harebell, *Campanula californica* (SC)
 thin-lobbed (=Santa Rosa) horkelia, *Horkelia tenuiloba* (SLC)
 two-carpeled dwarf-flax (=western flax), *Hesperolinon bicarpellatum* (SC)
 water sack (=saline) clover, *Trifolium depauperatum var. hydrophilum* (SC)
 western leatherwood, *Dirca occidentalis* (SLC)
 woolly-headed (=San Francisco) spineflower, *Chorizanthe cuspidata var villosa* (SC)
 woolly-headed gilia, *Gilia capitata ssp. tomentosa* (SC) *
 yarrow-leaf (=manyleaf, dark-eyed) gilia, *Gilia millefoliata* (SLC)

STANISLAUS COUNTY

Listed Species

Mammals

San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 riparian (San Joaquin Valley) woodrat, *Neotoma fuscipes riparia* (E) *
 riparian brush rabbit, *Sylvilagus bachmani riparius* (E) *

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T)

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

longhorn fairy shrimp, *Branchinecta longiantenna* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Colusa grass, *Neostapfia colusana* (T)

Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E) *

Hartweg's golden sunburst, *Pseudobahia bahiifolia* (E)

Hoover's spurge, *Chamaesyce hooveri* (T)

San Joaquin Valley Orcutt grass, *Orcuttia inaequalis* (T) *

fleshy (=succulent) owl's-clover, *Castilleja campestris ssp. succulenta* (T)

hairy Orcutt grass, *Orcuttia pilosa* (E)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Merced kangaroo rat, *Dipodomys heermanni dixonii* (SC)

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Costa's hummingbird, *Calypte costae* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)

Swainson's hawk, *Buteo Swainsoni* (CA)

Vaux's swift, *Chaetura vauxi* (SC)

bank swallow, *Riparia riparia* (CA)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

greater sandhill crane, *Grus canadensis tabida* (CA)

least bittern, western, *Ixobrychus exilis hesperis* (SC)

little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)

long-billed curlew, *Numenius americanus* (SC)

oak titmouse, *Baeolophus inornatus* (SLC)

olive-sided flycatcher, *Contopus cooperi* (SC)

rufous hummingbird, *Selasphorus rufus* (SC)

short-eared owl, *Asio flammeus* (SC)

tricolored blackbird, *Agelaius tricolor* (SC)

western burrowing owl, *Athene cunicularia hypugaea* (SC)

white-faced ibis, *Plegadis chihi* (SC)

white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)

San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)

northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

silvery legless lizard, *Anniella pulchra pulchra* (SC)

southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)

western spadefoot toad, *Spea hammondi* (SC)

Fish

Kern brook lamprey, *Lampetra hubbsi* (SC)

Pacific lamprey, *Lampetra tridentata* (SC)

green sturgeon, *Acipenser medirostris* (SC)

longfin smelt, *Spirinchus thaleichthys* (SC)

river lamprey, *Lampetra ayresi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Midvalley fairy shrimp, *Branchinecta mesoamericana* (SC)

Sacramento anthicid beetle, *Anthicus sacramento* (SC)

moetan blister beetle, *Lytta moesta* (SC)

molestan blister beetle, *Lytta molesta* (SC)

Plants

Big plant, *Blepharizonia plumosa* ssp. *plumosa* (SC) *

Hall's bush mallow, *Malacothamnus hallii* (=M. *fasciculatus*) (SLC)

Hoover's cryptantha, *Cryptantha hooveri* (SLC)

Hoover's rosinweed (=caycadenia), *Calycadenia hooveri* (SLC)

Lemmon's jewelflower, *Caulanthus coulteri* var. *lemmonii* (SLC)

Merced monardella, *Monardella leucocephala* (SC) **

Mt. Diablo phacelia, *Phacelia phacelioides* (SC)

Mt. Hamilton (=Sharesmith's) harebell, *Campanula sharsmithiae* (SC)

Mt. Hamilton coreopsis, *Coreopsis hamiltonii* (SC)

Mt. Hamilton lomatium, *Lomatium observatorium* (SLC)

Mt. Hamilton thistle, *Cirsium fontinale* var. *campylon* (SC)

Napa western flax, *Hesperolinon serpentinum* (SC)

Sharsmith's onion, *Allium sharsmithae* (SC)

alkali milk-vetch, *Astragalus tener* var. *tener* (SC) *

beaked clarkia, *Clarkia rostrata* (SC)

brittlescale, *Atriplex depressa* (SC) *

chaparral harebell (=bellflower), *Campanula exigua* (SLC)

delta coyote-thistle (=button-celery), *Eryngium racemosum* (CA)

diamond-petaled California poppy, *Eschscholzia rhombipetala* (SC) *

heartscale, *Atriplex cordulata* (SC) *

legenera, *Legenera limosa* (SC) *

little mouselike, *Myosurus minimus ssp. apus* (SC)

red-flowered lotus, *Lotus rubriflorus* (SC)

spiny-sepaled coyote-thistle (=button-celery), *Eryngium spinosepalum* (SC)

stinkbells, *Fritillaria agrestis* (SLC)

talus fritillary, *Fritillaria falcata* (SC)

vernal pool (=persistent-fruited, Sacramento) saltbush (=smallscale, saltscale), *Atriplex persistens* (SC)

SUTTER COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS

Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS

Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS

Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Sacramento splittail, *Pogonichthys macrolepidotus* (T)

delta smelt, *Hypomesus transpacificus* (T) *

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Hartweg's golden sunburst, *Pseudobahia bahiifolia* (E) *

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Marysville Heermann's kangaroo rat, *Dipodomys californicus eximius* (SC)

Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American peregrine falcon, *Falco peregrinus anatum* (D)

California thrasher, *Toxostoma redivivum* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)

Swainson's hawk, *Buteo Swainsoni* (CA)

bank swallow, *Riparia riparia* (CA)

black swift, *Cypseloides niger* (SC)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

greater sandhill crane, *Grus canadensis tabida* (CA)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Sacramento Valley tiger beetle, *Cicindela hirticollis abrupta* (SC)
Sacramento anthicid beetle, *Anthicus sacramento* (SC)

Plants

Colusa layia (=Colusa tidytips), *Layia septentrionalis* (SLC)
Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC) *
veiny monardella, *Monardella douglasii* ssp. *venosa* (SC) *

TEHAMA COUNTY**Listed Species**

Birds

Critical habitat, northern spotted owl, *Strix occidentalis caurina* (T)
bald eagle, *Haliaeetus leucocephalus* (T)
northern spotted owl, *Strix occidentalis caurina* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *
winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)
valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E)
Hoover's spurge, *Chamaesyce hooveri* (T)
hairy Orcutt grass, *Orcuttia pilosa* (E)
slender Orcutt grass, *Orcuttia tenuis* (T)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS
Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern**Mammals**

California wolverine, *Gulo gulo luteus* (CA)
Pacific fisher, *Martes pennanti pacifica* (SC)
Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)
San Joaquin pocket mouse, *Perognathus inornatus* (SC)
Sierra Nevada red fox, *Vulpes vulpes necator* (CA)
Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)
Yuma myotis bat, *Myotis yumanensis* (SC)
fringed myotis bat, *Myotis thysanodes* (SC)
long-eared myotis bat, *Myotis evotis* (SC)
long-legged myotis bat, *Myotis volans* (SC)
pale Townsend's big-eared bat, *Corynorhinus (=Plecotus) townsendii pallescens* (SC)
small-footed myotis bat, *Myotis ciliolabrum* (SC)
spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)
American bittern, *Botaurus lentiginosus* (SC)
American peregrine falcon, *Falco peregrinus anatum* (D)
Bell's sage sparrow, *Amphispiza belli belli* (SC)
California spotted owl, *Strix occidentalis occidentalis* (SC)
California thrasher, *Toxostoma redivivum* (SC)
Lawrence's goldfinch, *Carduelis lawrencei* (SC)
Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Snowy Egret, *Egretta thula* (MB)
Swainson's hawk, *Buteo Swainsoni* (CA)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
tailed frog, *Ascaphus truei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)
Leech's skyline diving beetle, *Hydroporus leechi* (SC)
Sacramento anthicid beetle, *Anthicus sacramento* (SC)

Plants

Ahart's whitlow-wort (=Ahart's paronychia), *Paronychia ahartii* (SC)
Anthony Peak lupine, *Lupinus antoninus* (SC)
Baker's globe mallow (=Baker's wild hollyhock), *Ilamna bakeri* (SLC)
Baker's narvarretia, *Navarretia leucocephala* ssp. *bakeri* (SC)
Boggs Lake hedge-hyssop, *Gratiola heterosepala* (CA)
Brandegee's woolly-star (=eriastrum), *Eriastrum brandegeae* (SC)
Butte County catchfly (=long-stiped campion), *Silene occidentalis* ssp. *longistipitata* (SC)
Butte County morning-glory, *Calystegia atriplicifolia* ssp. *buttensis* (SC)
Butte fritillary, *Fritillaria eastwoodiae* (SC)

Colusa layia (=Colusa tidytips), *Layia septentrionalis* (SLC)
 Dubakella Mountain buckwheat, *Eriogonum libertini* (SLC)
 Hall's rupertia (=Hall's California tea), *Rupertia hallii* (SLC)
 Henderson's bent grass, *Agrostis hendersonii* (SC)
 Indian Valley brodiaea, *Brodiaea coronaria* ssp. *rosea* (CA)
 Jepson's milk-vetch, *Astragalus rattanii* var. *jepsonianus* (SLC)
 Mt. Tedoc linanthus, *Linanthus nuttallii* ssp. *howellii* (SLC)
 Oregon fireweed, *Epilobium oreganum* (SC)
 Red Bluff (dwarf) rush, *Juncus leiospermus* var. *leiospermus* (SC)
 Red Mountain catchfly (=campion), *Silene campanulata* ssp. *campanulata* (CA)
 Sonoma manzanita, *Arctostaphylos canescens* ssp. *sonomensis* (SLC)
 Stebbins's madia (=Stebbins's harmonia), *Madia stebbinsii* (=Harmonia *stebbinsii*) (SC)
 Stony Creek spurge, *Chamaesyce ocellata* ssp. *rattanii* (SLC)
 Tehama dwarf-flax, *Hesperolinon tehamense* (SC)
 Wilkin's harebell, *Campanula wilkinsiana* (SC)
 adobe lily, *Fritillaria pluriflora* (SC)
 big-scale (=California) balsamroot, *Balsamorhiza macrolepis* var. *macrolepis* (SLC)
 clustered lady's-slipper, *Cypripedium fasciculatum* (SC)
 dwarf soaproot (=wavyleaf soap plant), *Chlorogalum pomeridianum* var. *minus* (SLC)
 legenere, *Legenere limosa* (SC)
 red-flowered lotus, *Lotus rubriflorus* (SC)
 scalloped moonwort, *Botrychium crenulatum* (SC)
 silky cryptantha, *Cryptantha crinita* (SC)
 tall alpine-aster (=Plumas alpine aster), *Oreostemma elatum* (SLC)
 upswept moonwort, *Botrychium ascendens* (SC)
 valley sagittaria (=Sanford's arrowhead), *Sagittaria sanfordii* (SC)
 white-stemmed (=whitestem) clarkia, *Clarkia gracilis* ssp. *albicaulis* (SLC)

TULARE COUNTY

Listed Species

Mammals

Fresno kangaroo rat, *Dipodomys nitratoide exilis* (E)
 San Joaquin kit fox, *Vulpes macrotis mutica* (E)
 Sierra Nevada (=California) bighorn sheep, *Ovis canadensis californiana* (E)
 Tipton kangaroo rat, *Dipodomys nitratoide nitratoide* (E)
 giant kangaroo rat, *Dipodomys ingens* (E)

Birds

California condor, *Gymnogyps californianus* (E)
Critical habitat, California condor, *Gymnogyps californianus* (E)
bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

blunt-nosed leopard lizard, *Gambelia* (=Crotaphytus) *sila* (E)
giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Critical habitat, little Kern golden trout, *Oncorhynchus* (=Salmo) *aquabonita whitei* (T)
Little Kern golden trout, *Oncorhynchus* (=Salmo) *aquabonita whitei* (T)
Sacramento splittail, *Pogonichthys macrolepidotus* (T)
delta smelt, *Hypomesus transpacificus* (T) *

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
vernal pool fairy shrimp, *Branchinecta lynchi* (T)
vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

California jewelflower, *Caulanthus californicus* (E) *
Greene's tuctoria (=Orcutt grass), *Tuctoria greenei* (E) *
Hoover's eriastrum (= woolly-star), *Eriastrum hooveri* (T)
Hoover's spurge, *Chamaesyce hooveri* (T)
Keck's checker-mallow (=checkerbloom), *Sidalcea keckii* (E)
San Joaquin Valley Orcutt grass, *Orcuttia inaequalis* (T) *
San Joaquin adobe sunburst, *Pseudobahia peirsonii* (T)
San Joaquin woolly-threads, *Monolopia congdonii* (=Lembertia congdonii) (E) *
Springville clarkia, *Clarkia springvillensis* (T)

Proposed Species**Birds**

mountain plover, *Charadrius montanus* (PT)

Candidate Species**Birds**

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C) *

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Plants

Ramshaw sand-verbena, *Abronia alpina* (C)

Species of Concern

Mammals

American (=pine) marten, *Martes americana* (SC)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin (=Nelson's) antelope squirrel, *Ammospermophilus nelsoni* (CA)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada red fox, *Vulpes vulpes necator* (CA)

Southern grasshopper mouse, *Onychomys torridus ramona* (SC)

Tulare grasshopper mouse, *Onychomys torridus tularensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

short-nosed kangaroo rat, *Dipodomys nitratoides brevinasus* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

Bell's sage sparrow, *Amphispiza belli belli* (SC)

Brewer's sparrow, *Spizella breweri* (SC)

California spotted owl, *Strix occidentalis occidentalis* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Costa's hummingbird, *Calypte costae* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

San Joaquin LeConte's thrasher, *Toxostoma lecontei macmillanorum* (SC)

Snowy Egret, *Egretta thula* (MB)

Vaux's swift, *Chaetura vauxi* (SC)

bank swallow, *Riparia riparia* (CA)
black swift, *Cypseloides niger* (SC)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
hermit warbler, *Dendroica occidentalis* (SC)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
northern goshawk, *Accipiter gentilis* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
tricolored blackbird, *Agelaius tricolor* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-headed woodpecker, *Picoides albolarvatus* (SLC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

Kern Canyon slender salamander, *Batrachoseps simatus* (CA)
Mount Lyell salamander, *Hydromantes platycephalus* (SC)
foothill yellow-legged frog, *Rana boylei* (SC)
mountain yellow-legged frog, *Rana muscosa* (SC)
relictual slender salamander, *Batrachoseps relictus* (=pacificus) (SC)
western spadefoot toad, *Spea hammondi* (SC)
yellow-blotched ensatina, *Ensatina eschscholtzii croceator* (SC)

Fish

Kern River rainbow trout, *Oncorhynchus* (=Salmo) *mykiss gilberti* (SC)

Kern brook lamprey, *Lampetra hubbsi* (SC)

Volcano Creek golden trout, *Oncorhynchus* (=Salmo) *mykiss aquabonita* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Denning's cryptic caddisfly, *Cryptochia denningi* (SC)

Hopping's blister beetle, *Lytta hoppingi* (SC)

Kings Canyon cryptochian caddisfly, *Cryptochia excella* (SC)

Morrison's blister beetle, *Lytta morrisoni* (SC)

San Emigdio blue butterfly, *Plebulina emigdionis* (SC)

San Joaquin tiger beetle, *Cicindela tranquebarica* ssp. (SC)

moestan blister beetle, *Lytta moesta* (SC)

molestan blister beetle, *Lytta molesta* (SC)

Plants

Bodie Hills rock cress, *Arabis bodiensis* (SC)

Charlotte's phacelia, *Phacelia nashiana* (SC)

DeDecker's (=Father Crowley's) lupine, *Lupinus padre-crowleyi* (=L. *dedeckerae*) (SC)

Earlimart orache (=erectstem saltbush), *Atriplex erecticaulis* (SLC)

Ewan's larkspur, *Delphinium hansenii* ssp. *ewanianum* (SC)

Greenhorn adobe-lily, *Fritillaria striata* (CA)

Kaweah Lakes fawn-lily, *Erythronium grandiflorum* ssp. *pusaterii* (SLC)

Kaweah brodiaea, *Brodiaea insignis* (CA)

Kern Plateau milk-vetch, *Astragalus lentiginosus* var *kernensis* (SLC)

Kern River daisy, *Erigeron multiceps* (SC)

Madera linanthus, *Linanthus serrulatus* (SLC)

Nine Mile Canyon phacelia, *Phacelia novemmillensis* (SC)

Pierpoint Springs liveforever (=dudleya), *Dudleya cymosa* ssp. *costafolia* (SC)

Piute Mountains navarretia, *Navarretia setiloba* (SC)

Piute cypress, *Cupressus nevadensis* (SC)

San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC) *

Sequoia gooseberry, *Ribes tulareense* (SLC)

Shirley Meadows mariposa lily (=star-tulip), *Calochortus westonii* (SC)

Tulare (=Kern Plateau) horkelia, *Horkelia tularensis* (SLC)

Twisselmann's buckwheat, *Eriogonum twisselmannii* (SC)

Twisselmann's nemacladus, *Nemacladus twisselmannii* (SC)

Yosemite lewisia, *Lewisia disepala* (SC)

alkali mariposa lily, *Calochortus striatus* (SC)

alpine streptanthus (=jewel-flower), *Streptanthus gracilis* (SC)

aromatic canyon gooseberry, *Ribes menziesii* var *ixoderme* (SLC)
 brittlescale, *Atriplex depressa* (SC)
 calico monkeyflower, *Mimulus pictus* (SC)
 field ivesia (=field mousetail), *Ivesia campestris* (SLC)
 flax-like monardella, *Monardella linoides* ssp. *oblonga* (SC)
 heartscale, *Atriplex cordulata* (SC)
 lesser saltscale, *Atriplex minuscula* (SC) *
 little mousetail, *Myosurus minimus* ssp. *apus* (SC)
 mouse buckwheat, *Eriogonum nudum* var. *murinum* (SC)
 purple mountain-parsley, *Oreonana purpurascens* (SLC)
 recurved larkspur, *Delphinium recurvatum* (SC)
 scalloped moonwort, *Botrychium crenulatum* (SC)
 short-leaved hulsea (=shortleaf alpinegold), *Hulsea brevifolia* (SLC)
 spiny-sepaed coyote-thistle (=button-celery), *Eryngium spinosepalum* (SC)
 subtle orache, *Atriplex subtilis* (SLC)
 vernal pool (=persistent-fruited, Sacramento) saltbush (=smallscale, saltscale), *Atriplex persistens* (SC)

YOLO COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)
 northern spotted owl, *Strix occidentalis caurina* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical habitat, delta smelt, *Hypomesus transpacificus* (T)
 Critical habitat, winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 delta smelt, *Hypomesus transpacificus* (T)
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

- Conservancy fairy shrimp, *Branchinecta conservatio* (E)
- valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
- vernal pool fairy shrimp, *Branchinecta lynchi* (T)
- vernal pool tadpole shrimp, *Lepidurus packardii* (E)

Plants

- Colusa grass, *Neostapfia colusana* (T)
- Solano grass (=Crampton's tuctoria), *Tuctoria mucronata* (E)
- palmate-bracted bird's-beak, *Cordylanthus palmatus* (E)

Proposed Species**Birds**

- mountain plover, *Charadrius montanus* (PT)

Candidate Species**Birds**

- Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

- California tiger salamander, *Ambystoma californiense* (C)

Fish

- Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS
- Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern**Mammals**

- Pacific western big-eared bat, *Corynorhinus (=Plecotus) townsendii townsendii* (SC)
- San Joaquin pocket mouse, *Perognathus inornatus* (SC)
- Yuma myotis bat, *Myotis yumanensis* (SC)
- fringed myotis bat, *Myotis thysanodes* (SC)
- greater western mastiff-bat, *Eumops perotis californicus* (SC)
- long-eared myotis bat, *Myotis evotis* (SC)
- long-legged myotis bat, *Myotis volans* (SC)
- small-footed myotis bat, *Myotis ciliolabrum* (SC)

Birds

- Aleutian Canada goose, *Branta canadensis leucopareia* (D)
- American bittern, *Botaurus lentiginosus* (SC)
- American peregrine falcon, *Falco peregrinus anatum* (D)
- California thrasher, *Toxostoma redivivum* (SC)
- Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)
Nuttall's woodpecker, *Picoides nuttallii* (SLC)
Snowy Egret, *Egretta thula* (MB)
Vaux's swift, *Chaetura vauxi* (SC)
bank swallow, *Riparia riparia* (CA)
black tern, *Chlidonias niger* (SC)
common loon, *Gavia immer* (SC)
ferruginous hawk, *Buteo regalis* (SC)
grasshopper sparrow, *Ammodramus savannarum* (SC)
greater sandhill crane, *Grus canadensis tabida* (CA)
least bittern, western, *Ixobrychus exilis hesperis* (SC)
little willow flycatcher, *Empidonax traillii brewsteri* (CA)
loggerhead shrike, *Lanius ludovicianus* (SC)
long-billed curlew, *Numenius americanus* (SC)
oak titmouse, *Baeolophus inornatus* (SLC)
olive-sided flycatcher, *Contopus cooperi* (SC)
rufous hummingbird, *Selasphorus rufus* (SC)
short-eared owl, *Asio flammeus* (SC)
western burrowing owl, *Athene cunicularia hypugaea* (SC)
white-faced ibis, *Plegadis chihi* (SC)
white-tailed (=black shouldered) kite, *Elanus leucurus* (SC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)
San Joaquin coachwhip (=whipsnake), *Masticophis flagellum ruddocki* (SC)
northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)
western spadefoot toad, *Spea hammondi* (SC)

Fish

Pacific lamprey, *Lampetra tridentata* (SC)
green sturgeon, *Acipenser medirostris* (SC)
longfin smelt, *Spirinchus thaleichthys* (SC)
river lamprey, *Lampetra ayresi* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Midvalley fairy shrimp, *Branchinecta mesovallensis* (SC)
 Sacramento anthicid beetle, *Anthicus sacramento* (SC)
 brownish dubiraphian riffle beetle, *Dubiraphia brunnescens* (SC)

Plants

Colusa layia (=Colusa tidytips), *Layia septentrionalis* (SLC)
 Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC) *
 Hall's madia (=Hall's harmonia), *Madia hallii* (=Harmonia hallii) (SC)
 Heckard's pepper-grass (Heckard's pepperweed), *Lepidium latipes* var. *heckardii* (SLC)
 Jepson's milk-vetch, *Astragalus rattanii* var. *jepsonianus* (SLC)
 Northern California black walnut, *Juglans californica* var. *hindsii* (SC) *
 San Joaquin spearscale (=saltbush), *Atriplex joaquiniana* (SC)
 Snow Mountain buckwheat, *Eriogonum nervulosum* (SC)
 adobe lily, *Fritillaria pluriflora* (SC)
 alkali milk-vetch, *Astragalus tener* var. *tener* (SC)
 brittlescale, *Atriplex depressa* (SC)
 drymaria dwarf-flax (=western flax), *Hesperolinon drymarioides* (SC)
 heartscale, *Atriplex cordulata* (SC) *

YUBA COUNTY

Listed Species

Birds

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

Central Valley spring-run chinook salmon, *Oncorhynchus tshawytscha* (T) NMFS
 Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Critical Habitat, Central Valley spring-run chinook, *Oncorhynchus tshawytscha* (T) NMFS
 Critical habitat, Central Valley steelhead, *Oncorhynchus mykiss* (T) NMFS
 Sacramento splittail, *Pogonichthys macrolepidotus* (T)
 delta smelt, *Hypomesus transpacificus* (T) *
 winter-run chinook salmon, *Oncorhynchus tshawytscha* (E) NMFS

Invertebrates

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)
 vernal pool tadpole shrimp, *Lepidurus packardi* (E)

Plants

Hartweg's golden sunburst, *Pseudobahia bahiifolia* (E) *
 Layne's butterweed (=ragwort), *Senecio layneae* (T)

Proposed Species

Birds

mountain plover, *Charadrius montanus* (PT)

Candidate Species

Birds

Western yellow-billed cuckoo, *Coccyzus americanus occidentalis* (C)

Amphibians

California tiger salamander, *Ambystoma californiense* (C)

Fish

Central Valley fall/late fall-run chinook salmon, *Oncorhynchus tshawytscha* (C) NMFS

Critical habitat, Central Valley fall/late fall-run chinook, *Oncorhynchus tshawytscha* (C) NMFS

Species of Concern

Mammals

Marysville Heermann's kangaroo rat, *Dipodomys californicus eximius* (SC)

Pacific fisher, *Martes pennanti pacifica* (SC)

Pacific western big-eared bat, *Corynorhinus* (=Plecotus) *townsendii townsendii* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Sierra Nevada snowshoe hare, *Lepus americanus tahoensis* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

greater western mastiff-bat, *Eumops perotis californicus* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

long-legged myotis bat, *Myotis volans* (SC)

pale Townsend's big-eared bat, *Corynorhinus* (=Plecotus) *townsendii pallescens* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

spotted bat, *Euderma maculatum* (SC)

Birds

Aleutian Canada goose, *Branta canadensis leucopareia* (D)

American bittern, *Botaurus lentiginosus* (SC)

American dipper, *Cinclus mexicanus* (SLC)

American peregrine falcon, *Falco peregrinus anatum* (D)

California spotted owl, *Strix occidentalis occidentalis* (SC)

California thrasher, *Toxostoma redivivum* (SC)

Lawrence's goldfinch, *Carduelis lawrencei* (SC)

Lewis' woodpecker, *Melanerpes lewis* (SC)

Nuttall's woodpecker, *Picoides nuttallii* (SLC)

Snowy Egret, *Egretta thula* (MB)

Swainson's hawk, *Buteo Swainsoni* (CA)

Vaux's swift, *Chaetura vauxi* (SC)

bank swallow, *Riparia riparia* (CA)

black swift, *Cypseloides niger* (SC)

black tern, *Chlidonias niger* (SC)

common loon, *Gavia immer* (SC)

ferruginous hawk, *Buteo regalis* (SC)

grasshopper sparrow, *Ammodramus savannarum* (SC)

greater sandhill crane, *Grus canadensis tabida* (CA)

hermit warbler, *Dendroica occidentalis* (SC)

little willow flycatcher, *Empidonax traillii brewsteri* (CA)

loggerhead shrike, *Lanius ludovicianus* (SC)

northern goshawk, *Accipiter gentilis* (SC)

oak titmouse, *Baeolophus inornatus* (SLC)

olive-sided flycatcher, *Contopus cooperi* (SC)

rufous hummingbird, *Selasphorus rufus* (SC)

short-eared owl, *Asio flammeus* (SC)

western burrowing owl, *Athene cunicularia hypugaea* (SC)

white-faced ibis, *Plegadis chihi* (SC)

white-headed woodpecker, *Picoides albolarvatus* (SLC)

Reptiles

California horned lizard, *Phrynosoma coronatum frontale* (SC)

northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

southwestern pond turtle, *Clemmys marmorata pallida* (SC)

Amphibians

foothill yellow-legged frog, *Rana boylei* (SC)

western spadefoot toad, *Spea hammondi* (SC)

Invertebrates

California linderiella fairy shrimp, *Linderiella occidentalis* (SC)

Sacramento Valley tiger beetle, *Cicindela hirticollis abrupta* (SC)

Sagehen Creek goeracean caddisfly, *Goeracea oregona* (SC)

Plants

Brandegee's clarkia, *Clarkia biloba ssp brandegeae* (SLC)

Butte fritillary, *Fritillaria eastwoodiae* (SC)

Quincy lupine, *Lupinus dalesiae* (SC)

clustered lady's-slipper, *Cypripedium fasciculatum* (SC)

KEY:

(E)	<i>Endangered</i>	Listed (in the Federal Register) as being in danger of extinction.
(T)	<i>Threatened</i>	Listed as likely to become endangered within the foreseeable future.
(P)	<i>Proposed</i>	Officially proposed (in the Federal Register) for listing as endangered or threatened.
(PX)	<i>Proposed Critical Habitat</i>	Proposed as an area essential to the conservation of the species.
(C)	<i>Candidate</i>	Candidate to become a <i>proposed</i> species.
(SC)	<i>Species of Concern</i>	Other species of concern to the Service.
(SLC)	<i>Species of Local Concern</i>	Species of local or regional concern or conservation significance.
(D)	<i>Delisted</i>	Delisted. Status to be monitored for 5 years.
(CA)	<i>State-Listed</i>	Listed as threatened or endangered by the State of California.
NMFS	NMFS species	Under jurisdiction of the National Marine Fisheries Service. Contact them directly.
*	<i>Extirpated</i>	Possibly extirpated from the area.
**	<i>Extinct</i>	Possibly extinct
	<i>Critical Habitat</i>	Area essential to the conservation of a species.

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute *quads*. The United States is divided into these quads, which are about the size of San Francisco. If you requested your list by quad name or number, that is what we used. Otherwise, we used the information you sent us to determine which quad or quads to use.

The animals on your species list are ones that occur within, *or may be affected by projects within*, the quads covered by the list. Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them. Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents. Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones *that have actually been observed* in the quad or quads covered by the list. We have also included either a county species list or a list of species in nearby quads. We recommend that you check your project area for these plants. Plants may exist in an area without ever having been detected there.

Surveying

Some of the species on your list may not be affected by your project. A trained biologist or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. For plant surveys, we recommend using the enclosed *Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed and Candidate Species*. The results of your surveys should be published in any environmental documents prepared for your project.

State-Listed Species

If a species has been listed as threatened or endangered by the State of California, but not by us nor by the National Marine Fisheries Service, it will appear on your list as a Species of Concern. *However you should contact the California Department of Fish and Game for official information about these species.* Call (916) 322-2493 or write Marketing Manager, California Department of Fish and Game, Natural Diversity Data Base, 1416 Ninth Street, Sacramento, California 95814.

Your Responsibilities Under the Endangered Species Act

All plants and animals identified as *listed* on Enclosure A are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the *take* of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal. Take may include significant habitat

modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a *formal consultation* with the Service. During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a *biological opinion* by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an *incidental take permit*. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project. Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as *critical habitat*. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Maps and boundary descriptions of the critical habitat may be found in the *Federal Register*. The information is also reprinted in the *Code of Federal Regulations* (50 CFR 17.95).

Candidate Species

We recommend that you address impacts to *candidate* species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

Your list may contain a section called *Species of Concern*. This is an informal term that refers to those species that the Sacramento Fish and Wildlife Office believes might be in need of concentrated

conservation actions. Such conservation actions vary depending on the health of the populations and degree and types of threats. At one extreme, there may only need to be periodic monitoring of populations and threats to the species and its habitat. At the other extreme, a species may need to be listed as a Federal threatened or endangered species. Species of concern receive no legal protection and the use of the term does not necessarily mean that the species will eventually be proposed for listing as a threatened or endangered species.

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6580.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed, candidate and special concern species in your planning, this should not be a problem. We also continually strive to make our information as accurate as possible. Sometimes we learn that a particular species has a different range than we thought. This should not be a problem if you consider the species on the county that we have enclosed. If you have a long-term project or if your project is delayed, please contact us for a current list. You can also find out the current status of a species by going to the Service's Internet page: www.fws.gov.

ENCLOSURE C

GUIDELINES FOR CONDUCTING AND REPORTING BOTANICAL INVENTORIES FOR FEDERALLY LISTED, PROPOSED AND CANDIDATE PLANTS (September 23, 1996)

These guidelines describe protocols for conducting botanical inventories for federally listed, proposed and candidate plants, and describe minimum standards for reporting results. The Service will use, in part, the information outlined below in determining whether the project under consideration may affect any listed, proposed or candidate plants, and in determining the direct, indirect, and cumulative effects.

Field inventories should be conducted in a manner that will locate listed, proposed, or candidate species (target species) that may be present. The entire project area requires a botanical inventory, except developed agricultural lands. The field investigator(s) should:

1. Conduct inventories at the appropriate times of year when target species are present and identifiable. Inventories will include all potential habitats. Multiple site visits during a field season may be necessary to make observations during the appropriate phenological stage of all target species.
2. If available, use a regional or local reference population to obtain a visual image of the target species and associated habitat(s). If access to reference populations is not available, investigators should study specimens from local herbaria.
3. List every species observed and compile a comprehensive list of vascular plants for the entire project site. Vascular plants need to be identified to a taxonomic level which allows rarity to be determined.
4. Report results of botanical field inventories that include:
 - a. a description of the biological setting, including plant community, topography, soils, potential habitat of target species, and an evaluation of environmental conditions, such as timing or quantity of rainfall, which may influence the performance and expression of target species
 - b. a map of project location showing scale, orientation, project boundaries, parcel size, and map quadrangle name
 - c. survey dates and survey methodology(ies)
 - d. if a reference population is available, provide a written narrative describing the target species reference population(s) used, and date(s) when observations were made
 - e. a comprehensive list of all vascular plants occurring on the project site for each habitat type
 - f. current and historic land uses of the habitat(s) and degree of site alteration
 - g. presence of target species off-site on adjacent parcels, if known
 - h. an assessment of the biological significance or ecological quality of the project site in a local and regional context
5. If target species is(are) found, report results that additionally include:

- a. a map showing federally listed, proposed and candidate species distribution as they relate to the proposed project
 - b. if target species is (are) associated with wetlands, a description of the direction and integrity of flow of surface hydrology. If target species is (are) affected by adjacent off-site hydrological influences, describe these factors.
 - c. the target species phenology and microhabitat, an estimate of the number of individuals of each target species per unit area; identify areas of high, medium and low density of target species over the project site, and provide acres of occupied habitat of target species. Investigators could provide color slides, photos or color copies of photos of target species or representative habitats to support information or descriptions contained in reports.
 - d. the degree of impact(s), if any, of the proposed project as it relates to the potential unoccupied habitat of target habitat.
6. Document findings of target species by completing California Native Species Field Survey Form(s) and submit form(s) to the Natural Diversity Data Base. Documentation of determinations and/or voucher specimens may be useful in cases of taxonomic ambiguities, habitat or range extensions.
 7. Report as an addendum to the original survey, any change in abundance and distribution of target plants in subsequent years. Project sites with inventories older than three years from the current date of project proposal submission will likely need additional survey. Investigators need to assess whether an additional survey(s) is (are) needed.
 8. Adverse conditions may prevent investigator(s) from determining presence or identifying some target species in potential habitat(s) of target species. Disease, drought, predation, or herbivory may preclude the presence or identification of target species in any year. An additional botanical inventory(ies) in a subsequent year(s) may be required if adverse conditions occur in a potential habitat(s). Investigator(s) may need to discuss such conditions.
 9. Guidance from California Department of Fish and Game (CDFG) regarding plant and plant community surveys can be found in Guidelines for Assessing the Effects of Proposed Developments on Rare and Endangered Plants and Plant Communities, 1984. Please contact the CDFG Regional Office for questions regarding the CDFG guidelines and for assistance in determining any applicable State regulatory requirements.